NACOmatic

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NAME



21 OCT 2010 to 18 NOV 2010

INSTRUMENT APPROACH PROCEDURE CHARTS



ALTERNATE MINIMUMS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

ALBANY, OR ALBANY MUNI VOR/DME or GPS-A NA except for operators with approved weather reporting service.
ARLINGTON, WA ARLINGTON MUNINDB or GPS Rwy 34 Category D, 800-2½. NA when Paine Field control tower closed.
ASTORIA, OR ASTORIA RGNLRNAV (GPS) Rwy 26 ¹² VOR Rwy 8 ³ ¹ NA when local weather not available. ² Categories A, B, 900-2; Category C, 900-2 ³ / ₄ ; Category D, 900-3. ³ Category C, 800-2 ¹ / ₄ ; Category D, 900-3.
AURORA, OR AURORA STATE
BAKER, MT BAKER MUNINDB Rwy 131

ASTORIA, OR
ASTORIA RGNL RNAV (GPS) Rwy 2612 VOR Rwy 83
¹ NA when local weather not available. ² Categories A, B, 900-2; Category C, 900-2 ³ / ₄ ; Category D, 900-3. ³ Category C, 800-2 ¹ / ₄ ; Category D, 900-3.
AURORA, OR
AURORA STATELOC Rwy 17 ¹ RNAV (GPS) Rwy 17 ²³ RNAV (GPS) Rwy 35 ²
¹Category D, 800-2¼. ²NA when local weather not available. ³Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
BAKER, MT BAKER MUNINDB Rwy 131
NDB Rwy 31 ² ¹Categories A,B, 1100-2; Categories C,D, 1100-3.

2Categories A,B, 1000-2; Category C, 1000-23/4;

BAKER CITY MUNI RNAV (GPS) Rwy 1312

NAME ALTE BELLINGHAM, WA BELLINGHAM INTL NA when local weather no	RNAV (GPS) Rwy 16
BIG PINEY, WY MILEY MEMORIAL FIELD Category D, 800-21/4.	VOR Rwy 31
	NAV (GPS) Rwy 10L ² NAV (GPS) Rwy 28R ³ -2 ¹ / ₄ .
BOISE, ID BOISE AIR TERMINAL(GO FIELD)RN	

BOISE AIR TERMINAL(GOWEN
FIELD) LOC BC Rwy 28L
RNAV (GPS) Y Rwy 10R
RNAV (GPS) Y Rwy 28L
VOR/DME or TACAN Rwy 10L
VOR/DME or TACAN Rwy 28L
Category E, 1000-3.

BOZEMAN, MT	
GALLATIN FIELD	RNAV (GPS)-A1
	VOR Rwy 12 ²
¹ Categories A, B, 1900-3.	1900-2; Categories C, D,
² Categories A. B.	900-2: Category C. 900-23/4:

BREMERTON, WA

Category D, 900-3.

BREMERTON NATIONAL .. RNAV (GPS) Rwy 1 RNAV (GPS) Rwy 191

NA when local weather not available. 1Categories A,B, 1200-2; Categories C,D, 1200-3.



ALTERNATE MINS

⁴NA when control zone not in effect.

¹NA when local weather not available.

3Categories A,B, 1900-2; Categories C,D,

Category D, 1000-3.

²Category D, 900-23/4.

BAKER CITY, OR

1900-3.

VOR-A13

VOR/DME Rwy 1324





ALTERNATE MINIMUMS RNAV (GPS) Rwy 31 ¹
VOR/DMÉ Rwy 31 ² er not available.
; Category D, 800-2½.
VOR-A
VOR/DME-B er not received.
INT VERNON, WA
NDB Rwy 101
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
er not available. 0-2; Categories C,D,
VOR Rwy 30 0-2; Categories C,D,
ILS Y Rwy 15 ¹ LOC/DME Rwy 15 ² RNAV (GPS) Y Rwy 15 ³
V (GPS) Z Rwy 15,1200-2
VOR or GPS-B.1400-3
OR/DME or GPS-A.3000-3
1200-4.
0-2; Categories C,D,
0-2; Categories C,D,

	
NAME CHEYENNE, WY	ALTERNATE MINIMUMS
CHEYENNE RGNL/	JERRY OLSON
	ILS or LOC Rwy 27 ¹
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NDB Rwy 271
	RNAV (GPS) Rwy 9 ²
	RNAV (GPS) Rwy 13 ²
	RNAV (GPS) Rwy 31 ²
¹ NA when control to	, , ,
² NA when local we	ather not available.
CODY, WY	
,	
YELLOWSTONE	
REGIONAL	RNAV (GPS) Rwy 221
	VOR or GPS-A ²
0 ,	21/4; Category D, 200-23/4.
² Category D, 900-3	3.
COEUR D'ALENE	, ID
COEUR D'ALENE-F	PAPPY
BOYINGTON FIELD	ILS or LOC/DME Rwy 5

NDB Rwy 5 RNAV (GPS) Rwy 5 VOR Rwy 5 VOR/DME Rwy 1 NA when local weather not available.

DEER PARK, WA

DEER PARK RNAV (GPS) Rwy 34

NA when local weather not available.

DILLON, MT

DILLONVOR or GPS-A,1500-3
VOR/DME or GPS-B
NA when Dillon altimeter setting not available.

DOUGLAS, WY

CONVERSE COUNTYVOR Rwy 29 Categories A,B, 1100-2; Categories C,D, 1100-3. DME standard.

EASTSOUND, WA

ORCAS ISLANDRNAV (GPS)-A

Categories A, B, 1100-2.

NA when local weather not available.

ELLENSBURG, WA

BOWERS FIELD RNAV (GPS) Rwy 25¹

RNAV (GPS) Rwy 29

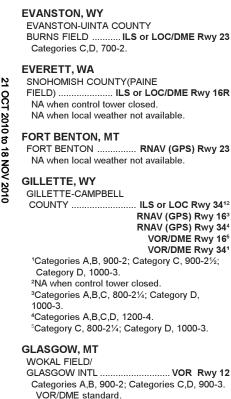
VOR-B²

NA when local weather not available. Category D, 800-21/4.

²Category A, 1500-2.







ALTERNATE MINS

NA when local weather not available.

¹NA when control tower closed. ²NA when local weather not available. ³Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-23/4.

²Category C, 800-21/4; Category D, 1300-3.

FIELDILS or LOC/DME Rwy 16R1

EPHRATA MUNI RNAV (GPS) Rwy 31

ALTERNATE MINIMUMS

ILS or LOC/DME Rwy 16L¹ RNAV (GPS) Rwy 34R²

RNAV (GPS) Rwy 21² VOR/DME Rwy 3¹ VOR Rwy 21¹

NAME

EPHRATA. WA

EUGENE, OR MAHLON-SWEET

¹Category D. 1300-3.



····
NAME ALTERNATE MINIMUMS GLENDIVE, MT DAWSON COMMUNITY NDB or GPS Rwy 12,900-2¾
GOODING, ID GOODING MUNI RNAV (GPS) Rwy 7 RNAV (GPS) Rwy 25 NA when local weather not available.
GRAY AAF (KGRF) FORT LEWIS, WA
GREAT FALLS, MT GREAT FALLS INTL NDB Rwy 34 Category D, 800-21/4.
GREYBULL, WY SOUTH BIG HORN COUNTY RNAV (GPS)-A RNAV (GPS) Rwy 33¹ NA when local weather not available. ¹Category D, 1200-3.
HAILEY, ID FRIEDMAN MEMORIALRNAV (GPS) W Rwy 31 Categories A,B, 1900-2; Category C, 1900-3.

HAVRE, MT

HAVRE CITY-COUNTYVOR Rwy 26 Categories A, B, 900-2; Category C, 900-2³/₄; Category D, 900-3.





10294



NAME ALTERNATE MINIMUMS HELENA, MT HELENA RGNL ILS or LOC Y Rwy 2712 ILS or LOC Z Rwv 2712 LOC/DME BC-C13 NDB-D14 RNAV (GPS) Y Rwy 95 RNAV (GPS) Rwv 236

RNAV (GPS) X Rwy 275 RNAV (RNP) Z Rwy 97 RNAV (RNP) Y Rwy 277 RNAV (RNP) Z Rwy 2779

VOR-A®

VOR/DME-B6 ¹NA when control tower closed.

²Categories A, B, 1600-2; Categories C, D, E, 1600-3. 3Categories A, B, 1300-2; Categories C, D,

1300-3. 4Category A, 1200-2.

⁵Categories A, B, 1600-2; Categories C, D, 1600-3.

⁶Categories A, B, 900-2; Category C, 900-23/4; Category D, 900-3. ⁷NA when local weather not available.

⁸Categories A, B, 2900-2; Categories C, D, 2900-3.

91000-4.

HOQUIAM, WA

21 OCT 2010 to 18 NOV 2010

BOWERMAN RNAV (GPS) Rwy 241 VOR/DME Rwv 242 VOR Rwy 61

¹Category D, 800-21/4.

²Categories A,B, 900-2; Category C, 900-23/4; Category D, 900-3.

IDAHO FALLS, ID

IDAHO FALLS RGNL ILS or LOC Rwy 201 LOC BC Rwy 22 RNAV (GPS) Y Rwy 23

RNAV (GPS) Y Rwy 203 VOR Rwv 203

¹ILS, Category E, 700-21/2. LOC, Category E, 800-21/2.

²Category E, 800-21/2.

³NA when local weather not available.

JACKSON, WY

JACKSON HOLERNAV (GPS) X Rwy 11 RNAV (GPS) Y Rwy 191 RNAV (RNP) Y Rwy 1, 10681200-4 VOR/DME Rwv 12

VOR/DME Rwv 193

¹Categories A,B, 1200-2; Categories C,D, 1200-3. ²Categories A,B,1000-2; Categories C,D,

1000-3.

Categories A,B,1400-2; Categories C,D, 1400-3.

NAME ALTERNATE MINIMUMS JEROME. ID

JEROME COUNTY RNAV (GPS) Rwy 9 RNAV (GPS) Rwy 271 VOR/DME-A

NA when local weather not available. ¹Categories A, B, 1300-2; Categories C, D,

1300-3.

JOHN DAY, OR

GRANT COUNTY RGNL/ OGILVIE FIELD RNAV (GPS) Y Rwy 9 Category B, 900-2; Category C, 900-21/2.

KALISPELL, MT

GLACIER PARK INTLILS or LOC Rwy 21 RNAV (RNP) Y Rwy 22 RNAV (RNP) Rwy 20, 800-21/22

¹ILS, Categories C, D, 700-2. ²NA when local weather not available.

KELSO, WA

SOUTHWEST

WASHINGTON RGNL RNAV (GPS) Rwy 12 Categories A, B, 900-2.

KLAMATH FALLS. OR

KLAMATH FALLS ILS or LOC/DME Rwy 321 RNAV (GPS) Rwv 142

> RNAV (GPS) Rwy 323 VOR/DME or TACAN Rwy 144

VOR/DME or TACAN Rwv 324 ¹ILS, Category A, 800-2; Category B, 900-2; Category C, 900-23/4; Category D, 1000-3.

LOC, Category B, 900-2; Category C, 900-23/4; Category D, 1000-3. ²Categories A, B, 900-2; Category C, 900-23/4;

Category D, 1000-3. 3Category B, 900-2; Category C, 900-23/4;

Category D, 1000-3. ⁴Category B, 900-2; Category C, 900-23/4;

Category D, 1000-3; Category E, 1700-3.

LAKEVIEW, OR

LAKE COUNTY VOR/DME-A Categories A,B, 900-2; Category C, 900-21/2;

Category D, 900-23/4.



ALTERNATE MINS



ALTERNATE MINS



NAME	ALTERNATE MINIMUMS
LEWISTON, ID	
LEWISTON-NEZ PER	CE
COUNTY	RNAV (GPS) Y Rwy 81
	RNAV (GPS) Y Rwy 261
	RNAV (RNP) Z Rwy 8 ²
	RNAV (RNP) Z Rwy 12 ²
	RNAV (RNP) Z Rwy 26 ²
	VOR Rwy 8 ³
	VOR Rwy 261
¹Category D, 800-21/4	

²NA when local weather not available.

3Categories A, B, 1100-2; Categories C, D, 1100-3.

LEWISTOWN. MT

LEWISTOWN MUNI RNAV (GPS) Rwy 7 VOR Rwv 7 Category D, 800-21/4.

LIVINGSTON, MT

MISSION FIELD VOR/DME-B1 VOR-A²

¹Categories A, B, 900-2; Category C, 900-21/2; Category D, 1000-3.

²Categories A, B, 2200-2; Categories C,D, 2200-3.

MC CALL, ID

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MC CALL MUNI RNAV (GPS) Rwy 161 RNAV (GPS) Y Rwy 342 RNAV (GPS) Z Rwy 3434

¹Category C, 900-21/2.

²Categories A, B, 1600-2; Categories C, D, 1600-3.

3NA when local weather not available.

⁴Category C, 900-2½; Category D, 1000-3.

MC MINNVILE, OR

MC MINNVILLE MUNI ILS or LOC Rwy 22 RNAV (GPS) Rwy 4 RNAV (GPS) Rwv 22 VOR/DME-B

NA when local weather not available.

Category D 800-21/4.

NAME ALTERNATE MINIMUMS MEDFORD, OR ROGUE VALLEY INTL-

MEDFORD ILS or LOC/DME Rwv 1412

LOC/DME BC-B²³ RNAV (GPS)-D3

RNAV (GPS) Rwy 144 VOR-A5

VOR/DME-C3

VOR/DME-B6

VOR/DME Rwv 145 ¹ILS, Categories A, B, C, 700-2; Category D,

900-21/2. LOC, Category D, 900-21/2. ²NA when control tower closed.

3Categories A. B. 2300-2: Categories C. D. 2300-3.

⁴Categories A, B, 1100-2; Categories C, D,

5Categories A, B, 1400-2; Category C, D 1400-3.

MISSOULA. MT

MISSOULA INTLILS Z Rwy 111 RNAV (GPS)-D2 RNAV (GPS) Y Rwy 1134 RNAV (RNP) Z Rwy 112,800-21/2 VOR/DME-A5

¹NA when control tower closed.

²Categories A, B, 1400-2; Category C, 1400-3; Category D, 1500-3.

³NA when local weather not available. ⁴Categories A, B, 1900-2; Categories C, D,

1900-3.

5Categories A, B, 2000-2; Categories C, D, 2000-3.

⁶Categories A, B, 1800-2; Categories C, D, 1800-3.

MOSES LAKE, WA

GRANT COUNTY INTL ... ILS or LOC Rwy 32R1 NDB Rwy 32R² RNAV (GPS) Rwy 41 RNAV (GPS) Rwy 14L1 RNAV (GPS) Rwy 221 VOR Rwy 42 VOR -1 Rwy 14L² VOR -3 Rwy 14L² VOR Rwy 22² VOR Rwy 32R²

¹NA when local weather not available.

²NA when control tower closed.









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NA except for opera reporting service.	ALTERNATE MINIMUMSVOR or GPS Rwy 31 ttors with approved weather 0-2;Categories C,D, 900-3.	NAME PENDLETO EASTERN O PENDLETO
NORTH BEND, OR SOUTHWEST OREC RGNL		NA when I
	VOR-A ³ VOR/DME-B ² VOR/DME Rwy 4 ⁴	PINEDALE PINEDALE/ FIELD
21/4; Category D, 1 900-21/4; Category 2Category C, 900-21	B, 800-2; Category C, 900- 100-3. LOC, Category C, D,1100-3. 4; Category D, 1100-3. 200-2; Categories C, D,	NA when I 1Category 2Category
⁴Categories C, D, 10		POCATELL POCATELL
NA when local weat	RNAV (GPS) Rwy 7	¹ NA when ² NA when
OLYMPIA, WA OLYMPIA RGNL	ILS or LOC Rwy 17 ¹²³ RNAV (GPS) Rwy 17 ² RNAV (GPS) Rwy 35 ² VOR-A ²⁴ VOR/DME Rwy 35 ²	PORT ANG WILLIAM R FAIRCHILD
¹ ILS, Categories C, ² NA when local wea ³ NA when control to ⁴ Category D, 800-21	D, 700-2. ther not available. wer closed.	NA when Interpretation 1000-3.
ONTARIO, OR ONTARIO MUNI NA when local weat		
D4000 1444		

NAME PENDLETON, OR EASTERN OREGON PENDLETON	ALTERNATE MINIMUMS RGNL AT ILS or LOC/DME Rwy 25¹ RNAV (GPS) Rwy 7 RNAV (GPS) Rwy 11 RNAV (GPS) Rwy 25 RNAV (GPS) Rwy 29 VOR Rwy 7
NA when local weath ¹ILS, NA when contro	ner not available.
PINEDALE, WY PINEDALE/RALPH W FIELD NA when local weath ¹Category C, 800-2½²Category D, 800-2½	RNAV (GPS) Rwy 11 ² RNAV (GPS) Rwy 29 ² ner not available. 4; Category D, 800-2½.
POCATELLO, ID POCATELLO RGNL. 1NA when control zo 2NA when local weat	
DODT ANCEL EC V	MA.

GELES, WA

D INTLILS or LOC Rwy 8 RNAV (GPS) Rwy 81

RNAV (GPS) Rwy 26 local weather not available.

es A, B, 1000-2; Categories C, D,



21 OCT 2010 to 18 NOV 2010

PASCO, WA



3Category D, 800-21/4.

NA when local weather not available. ¹NA when control tower closed.

²ILS, Categories A,B,C, 700-2; Category D, 700-21/4. LOC, Category D, 800-21/4.

TRI-CITIES ILS or LOC Rwy 21R12

RNAV (GPS) Rwy 3L RNAV (GPS) Rwy 12 RNAV (GPS) Rwy 21R RNAV (GPS) Rwy 30 VOR Rwy 21R3 VOR/DME Rwy 30 M7

ALTERNATE MINS



ALIERNAIE MINS	
NAME ALTERNATE MINIMUMS PORTLAND, OR	NAME ALTERNATE MINIMUMS REDMOND, OR
PORTLAND INTL ILS or LOC Rwy 10L¹ ILS or LOC Rwy 10R²	ROBERTS FIELDILS or LOC Rwy 22¹ VOR/DME Rwy 22²
ILS or LOC Rwy 28L ³ ILS or LOC Rwy 28R ⁴	¹ ILS,LOC,Category D,800-2½; Category E, 800-2½.
LOC/DME Rwy 21 ⁵ RNAV (GPS) Rwy 10L ⁵	² Category A, B, 1000-2; Category C, 1000-2¾; Category D, E, 1000-3.
RNAV (GPS) Rwy 10R ⁵ RNAV (GPS) Rwy 12 ⁶	RENTON, WA
RNAV (GPS) Rwy 28L ⁵ RNAV (GPS) Rwy 28R ⁵	RENTON MUNI NDB Rwy 16¹ RNAV (GPS) Y Rwy 16²
VOR/DME Rwy 21 ⁵ VOR-A ⁷	NA when local weather not available. ¹Categories A, B, 1000-2; Categories C, D,
VOR Rwy 28R⁵ ¹ILS, Category A, 700-2; Categories B, C,	1000-3. ² Categories A, B, 900-2; Category C, 900-2 ³ / ₄ ;
800-2; Category D, 1000-3. LOC, Category D, 1000-3.	Category D, 900-3.
² Categories A, B, C, 900-2; Category D, 1000- 3; Category E, 1200-3.	REXBURG, ID REXBURG-MADISON
³ ILS, Category A, 700-2; Categories B, C, 800- 2; Category D, 1000-3; Category E, 1200-3.	COUNTY RNAV (GPS) Rwy 35 NA when local weather not available.
LOC, Category D, 1000-3; Category E, 1200-3.	Category D, 800-2½.
⁴ ILS, Category A, 700-2; Categories B, C, 800-	RICHLAND, WA
2; Category D, 1000-3. LOC, Category D, 1000-3.	RICHLANDNDB Rwy 19¹ RNAV (GPS) Rwy 19¹
⁵Category D, 1000-3. ⁵NA when local weather not available.	RNAV (GPS) Rwy 26¹ VOR/DME-A²
⁷ Categories A,B, 900-2; Category C, 900-2½; Category D, 1000-3.	VOR Rwy 26¹ ¹Category D, 800-2½.
PORTLAND-HILLSBOROILS or LOC Rwy 121	² Categories A,B, 900-2; Category C, 900-2¾; Category D, 900-3.
RNAV (GPS) Rwy 12 RNAV (GPS) Rwy 30	RIVERTON, WY
NA when local weather not available. ¹Categories A, B, 1500-2; Categories C, D,	RIVERTON RGNLILS or LOC Rwy 28 RNAV (GPS) Rwy 10
1500-3.	RNAV (GPS) Rwy 28 VOR Rwy 10
PORTLAND-TROUTDALE NDB or GPS-A Categories A,B, 1100-2; Category C, 1100-3;	VOR Rwy 28 NA when local weather not available.
Category D, 1300-3.	ROSEBURG, OR
PULLMAN/MOSCOW, WA	ROSEBURG RGNL RNAV (GPS)-B
PULLMAN/MOSCOW MUNIRNAV (GPS) Rwy 5,800-21/4	NA when local weather not available. Categories A, B, 1200-2; Category C, 1200-3; Category D, 1400-3.
RAWLINS, WY	
RAWLINS MUNI/ HARVEY FIELD RNAV (GPS) Rwy 22 ¹	SALEM, OR MCNARY FIELDILS or LOC Rwy 31 ¹²
VOR/DMÉ Rwy 22 ²	LOC/DME Rwy 31 ³
¹ Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.	RNAV (GPS) Rwy 31 ¹³ ¹ NA when local weather not available.

²Categories A, B, 1000-2; Category C, 1000-23/4; Category D, 1000-3.

¹NA when local weather not available. ²ILS, Categories A, B, 800-2; Category C,

800-21/4; Category D, 800-21/2. LOC, Category C, 800-21/4; Category D, 800-21/2.

³Category D, 800-21/2.







VOR Rwv 7²

ALTERNATE MINS

4	
NAME	ALTERNATE MINIMUMS
SALMON, ID	
LEMHI COUNTY	RNAV (GPS)-D
NA when local weath	ner not available.
Categories A, B, 300	00-2; Category C, 3000-3.
SCAPPOOSE, OR	
SCAPPOOSE INDUS	TRIAL
AIRPARK	VOR/DME or GPS-A
	Category C, 1000-2¾;
Category D 1300-3	
SEATTLE, WA	
BOEING FIELD-KING	
INTL	ILS or LOC Rwy 31L1
	LOC/DME Rwy 13R ²
	RNAV (GPS) Y Rwy 13R ³
	RNAV (RNP) Z Rwy 13R4
	Cotogon, B. 000 2:

¹Category A, 800-2; Category B, 900-2; Category C, 900-21/2; Category D, 1000-3.

²Category B, 900-2; Category C, 900-2½; Category D, 1000-3.

3Category B, 900-2; Category C, 900-23/4; Category D, 1000-3.

⁴Categories A, B, C, D, 800-21/4.

SHERIDAN, WY SHERIDAN

COUNTYILS or LOC/DME Rwv 32 RNAV (GPS) Rwy 14 RNAV (GPS) Rwy 32

VOR Rwv 14 NA when local weather not received. Category D, 800-21/4.

SIDNEY, MT

21 OCT 2010 to 18 NOV 2010

SIDNEY-RICHLAND MUNI NDB Rwy 11 NDB Rwy 19² RNAV (GPS) Rwy 13 RNAV (GPS) Rwy 193

NA when local weather not available.

1Categories A. B. 900-2: Category C. 900-21/2: Category D, 900-234.

²Categories A, B, 1000-2; Category C, 1000-23/4; Category D, 1000-3. 3Category D, 800-21/4.

ALTERNATE MINIMUMS NAME SPOKANE. WA

FELTS FIELD ILS/DME Rwy 21R1

RNAV (GPS)-A2 RNAV (GPS) Rwy 3L2

VOR Rwy 3L34 ¹Categories A,B, 1000-2;Category C, 1000-23/4.

²Categories A,B, 1000-2; Category C, 1000-23/4; Category D, 1000-3. 3Categories A, B, 1000-2; Categories C, D,

1000-3.

⁴NA when local weather not available.

SPOKANE INTLILS or LOC Rwy 31 RNAV (GPS) Rwy 32 VOR Rwy 33

¹ILS, Category D, 700-2. ²Category D. 800-21/4. 3Category E, 800-21/2.

TACOMA, WA

TACOMA NARROWSILS Rwy 171 NDB Rwv 351 RNAV (GPS) Rwy 1712 RNAV (GPS) Rwy 3523

¹NA when control tower closed.

²Category D, 800-21/4.

³NA when local weather not available.

THE DALLES, OR

COLUMBIA GEORGE RGNL/

THE DALLES MUNI RNAV (GPS)-A Categories A,B, 1100-2; Category C, 1100-3; Category D, 1200-3.

TWIN FALLS, ID

JOSLIN FIELD-MAGIC VALLEY RGNLILS or LOC Rwy 251 NDB Rwy 25 RNAV (GPS) Rwy 7 RNAV (GPS) Rwy 25

NA when local weather not available. ¹ILS, Category D, 700-2; Category E, 900-3.

LOC, Category E, 900-3.

²Category C, 800-21/4; Category D, 800-21/2.





M9

ALTERNATE MINS



NAME ALTERNATE MINIMUMS WALLA WALLA, WA WALLA WALLA RGNL ILS or LOC Rwy 201 ILS or LOC Y Rwy 2013 ILS or LOC/DME Z Rwy 2023 NDB Rwy 20, 1000-3 RNAV (GPS) Rwy 234 RNAV (GPS) Rwy 164 RNAV (GPS) Rwy 204 VOR/DME Rwy 24 ¹ILS, LOC, Categories A, B, 1100-2; Categories C, D, 1100-3. ²ILS, Categories A, B, 800-2; Category C, 800-21/4; Category D, 800-21/2. LOC, Category C, 800-21/4; Category D, 800-21/2. 3NA when local weather not available. 4Category D, 800-21/2.

WENATCHEE, WA

PANGBORN

MEMORIAL ILS Y Rwy 12, 1300-4 RNAV (RNP) Rwy 12, 1200-4

VOR/DME-C12

VOR/DME-A3

¹NA when local weather not available.

²Categories A, B, 1500-2; Categories C, D,

3Categories A, B, 2000-2; Categories C, D,

2000-3.

21 OCT 2010 to 18 NOV 2010

WOLF POINT, MT

L.M. CLAYTON RNAV (GPS) Rwy 11 RNAV (GPS) Rwy 29

NA when local weather not available.

WORLAND, WY

WORLAND MUNI VOR or GPS Rwy 16 Categories C,D, 800-21/2.

YAKIMA, WA

YAKIMA AIR TERMINAL/ MCALLISTER FIELD ILS Y Rwy 27, 600-21/41 LOC/DME BC-B12 RNAV (GPS) Y Rwy 273 VOR/DME or TACAN Rwy 274

¹NA when control tower closed.

²Category D, 800-21/4.

³Category C, 800-21/2; Category D, 800-23/4.

⁴Categories A, B, 1100-2; Categories C, D,

1100-3.

⁵Category C, 800-21/4; Category D, 800-21/2.





21 OCT 2010 to 18 NOV 2010

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RADAR INSTRUMENT APPROACH MINIMUMS

CHEYENNE, WY Amdt 1B, MAY 8, 2008 (FAA) CHEYENNE RGNL/JERRY OLSON FIELD

ELEV 6159

RADAR - 124.55 263.075 ₩ A NA

HAT/ HAT/							,			
				DA/	HAT			DA/	HATI	
	RWY	GS/TCH/RPI	CAT	MDA-VIS	HAA	CEIL-VIS	CAT	MDA-VIS	HAA	CEIL-VIS
PAR	27	3.0°/55/918	ABCDE	6321 /24	200	(200-1/2)				
	_									
ASR	-					` ,				` ,
	27		ABC	6520 /24	399	(400-1/2)	DE	6520 /50	399	(400-1)
CIR	ALL		AB	6660-1	501	(600-1)	С	6660-11/2	501	$(600-1\frac{1}{2})$

For inoperative MALSR increase, PAR 27 category E visibility to RVR 4000, ASR 27 category D visibility to RVR 6000 and ASR 27 category E visibility to 11/2. PAR not available when ASR out of service.

561 (600-2)

Ε

UAT/

GRAY AAF (KGRF), FORT LEWIS, WA (Amdt 1 10210 USA)

6720-2

ELEV 300

6960-2¾ 801 (900-2¾)

RADAR - (E) 128.2 139.925 239.0 317.4 ₩ A NA

D

				DH/	HATh/	
	RWY	GS/TCH/RPI	CAT	MDA-VIS	HAA	CEIL-VIS
PAR 1	15	3.0°/55/853	ABCD	499/24	200	(200-1/2)
	33	3.0°/39/729	ABCD	500-1/2	200	(200-1/2)

¹Opr cont exc federal holidays. POC DSN 357-4953 or C253-967-4953. Svc incl PAR and apch mnt of ILS and NDB.

OPS 138.6

Contact Seattle approach for vectors to Final on 120.1 290.9

Rwy 15: Climb to 1000, then climbing left turn to 2000 via heading 270° for RADAR vectors; or when directed by ATC, climb to 1000, then climbing left turn to 2000 direct GRF NDB and hold NW, RT, 147° inbound (ADF REQUIRED).

Rwy 33: Climb to 1000, then climbing left turn to 2000 via heading 270° for RADAR vectors; or when directed by ATC, climb to 2000 direct GRF NDB and hold NW, RT, 147° inbound (ADF REQUIRED). LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

NW-1

RADAR INSTRUMENT APPROACH MINIMUMS

21 OCT 2010 to 18 NOV 2010

21 OCT 2010 to 18 NOV 2010

RADAR INSTRUMENT APPROACH MINIMUMS

OAK HARBOR (OKH), WA

Amdt 1A, Mar 12, 2009 (FAA)

ELEV 193

A J EISENBERG

RADAR - 118.2 285.65 🔻 🗥 NA

ASR	RWY 7	GS/TCH/RPI	CAT AB CD	DA/ MDA-VIS 620-1 NA	HATh/ HAAA 427	<u>CEIL-VIS</u> (500-1)
CIR	All Rwy		A B CD	620-1 660-1 NA	427 467	(500-1) (500-1)

When local altimeter setting not received, use Whidbey Island NAS altimeter setting and increase all MDAs 40 feet. Circling north of Rwy 7-25 NA at night. Visibility reduction by helicopters NA.

WHIDBEY ISLAND NAS (KNUW), (AULT FLD) WA (10210 USN) ELEV 47

RADAR - (E) 126.05x 126.85x 266.8x 299.6x 310.8x 322.5x 327.0x 343.75x \overline{V}

PAR¹	RWY 14 ⁵ 12 32 ⁷ 14 7 ³ 11 25 ² 13	GS/TCH/RPI 3.0°/48/947 3.0°/34/772 3.0°/50/961 3.0°/40/718	CAT ABCDE ABCDE ABCDE ABCDE	DH/ MDA-VIS 139-1/4 297-1/2 125-1/2 228-1/2	HAT/ HATh/ HAA 100 250 100 200	CEIL-VIS (100-1/4) (300-1/2) (100-1/2) (200-1/2)
W/O GS	7 14 ⁷ 12 32 ⁸ 10 25 ⁶ 13		ABCDE AB CDE ABC DE AB C D	300-1 360-½ 360-¾ 500-¾ 500-1 620-½ 620-1 620-1¼ 620-1½	275 321 321 453 453 593 593 593 593	(300-1) (400-½) (400-¾) (500-¾) (500-1) (600-1) (600-1½) (600-1½)
ASR	711		AB C DE	460-1 460-1½ 460-1½	435 435 435	(500-1) (500-11/4) (500-11/2)
	144 12		AB C D E	620-½ 620-1 620-1½ 620-1½	581 581 581 581	(600-½) (600-1) (600-1½) (600-1½)
	328 12		AB C D E	680-½ 680-1¼ 680-1½ 680-1¾	633 633 633 633	(700-½) (700-1¼) (700-1½) (700-1¾)

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RADAR INSTRUMENT APPROACH MINIMUMS

N2

RADAR MINS

10210

21 OCT 2010 to 18 NOV 2010

RADAR INSTRUMENT APPROACH MINIMUMS

WHIDBEY ISLAND NAS (KNUW) WA (CONT'd)

25 ¹⁰ 11	Α	780-1/2	753	(800-1/2)
	В	780-¾	753	(800-3/4)
	С	780 -1¾	753	(800-13/4)
	D	780 -2	753	(800-2)
	E	780 -21⁄4	753	(800-21/4)
CIRCLING 7, 14, 25, 329	А	740 -1	693	(700-1)
	В	800-11/4	753	(800-11/4)
	С	800-21/4	753	(800-21/4)
	D	860-23/4	813	(900-23/4)
	E	1120 -3	1073	(1100-3)
CIRCLING 25°	Α	780 -1	733	(800-1)
ASR	В	800-11/4	753	(800-11/4)
	С	800-21/4	753	(800-21/4)
	D	860-23/4	813	(900-23/4)
	E	1120 -3	1073	(1100-3)

¹No-NOTAM MP: PAR 1600-0800Z++ Mon. ²When ALS inop, increase vis CAT ABCDE to ¾ mile. ³Missed approach minimum climb rate 226′/NM until reaching 3000. ⁴When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1½ miles, CAT D to 1¾ miles, CAT E to 2 miles. ⁵When ALS inop, increase CAT ABCDE vis to ½ mile. ⁵When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1½ miles, CAT D to 1¾ miles, CAT E to 2 miles. ⁵When ALS inop, increase vis CAT ABCDE to 1 mile. ⁵When ALS inop, increase vis CAT ABCDE to 1 mile. ⁵When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1¾ miles, CAT D to 2 miles, CAT E to 2¼ miles. ⁵When Circling to RWY 32, increase vis CAT A to 1¼ mile. ¹⁰When ALS inop, increase vis CAT A to 1 mile, CAT B to 1¼ miles, CAT C to 2¼ miles, CAT D to 2½ miles, CAT E to 2¾ miles. ¹¹Amdt 1. ¹²Amdt 2. ¹³Amdt 3. ¹⁴Amdt 4.

NW-1

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military takeoff minima, refer to appropriate service directives.

NAME AFTON, WY

21 OCT 2010 to 18 NOV 2010

TAKE-OFF MINIMUMS

AFTON MUNI

DEPARTURE PROCEDURE: Rwy 16, Use LUNDI DEPARTURE. Rwy 34, use AFTON DEPARTURE.

ALBANY, OR

ALBANY MUNI

DEPARTURE PROCEDURE: Rwy 16, turn right. Rwy 34, turn left. All aircraft climb direct CVO VOR/ DME and continue climb in CVO VOR/DME holding pattern, (E, right turns, 261° inbound) to cross CVO VOR/DME at or above 3000.

ANACONDA, MT

BOWMAN FIELD

TAKE-OFF MINIMUMS: Rwy 4, std. w/ min. climb of 417' per NM to 9000, or 2800-3 for climb in visual conditions. Rwy 17, std. w/min. climb of 321' per NM to 10200, or 2800-3 for climb in visual conditions. Rwy 22, NAobstacles. Rwy 35, std. w/min. climb of 369 per NM to 9100, or 2800-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwys 4, 35, climbing right turn to 10200 via heading 130° and CPN VOR/DME R-340 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound), or for climb in visual conditions, cross Bowman Field Airport at or above 7700 then proceed via CPN R-309 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound).

NAME TAKE-OFF MINIMUMS BOWMAN FIELD(CON'T)

Rwy 17, climbing left turn to 10200 via heading 100° and CPN VOR/DME R-335 to CPN VOR/DME, continue climb-in-hold to 10200 (north, left turn, 166° inbound), or for climb in visual conditions, cross Bowman Field Airport at or above 7700 then proceed via CPN R-309 to CPN VOR/DME, continue climb-in-hold to 10200 (north, leftturn, 166° inbound).

NOTE: Rwy 17, multiple trees beginning 865' from departure end of runway, 243' left of centerline, up to 70' AGL/5097' MSL. Rod on hangar 570' from departure end of runway, 278' left of centerline, 54' AGL/5054' MSL. Multiple trees beginning 787' from departure end of runway, 165' right of centerline, up to 70' AGL/5098' MSL. Multiple transmission lines beginning 4602' from departure end of runway, 1664' right of centerline, 80' AGL/5159' MSL. Rwy 35, multiple transmission lines beginning 2242' from departure end of runway, 964' left of centerline, up to 80' AGL/5159' MSL.

ARCO, ID

ARCO-BUTTE COUNTY (AOC)

AMDT 1 08157 (FAA)

TAKE-OFF MINIMUMS: Rwy 6, NA - Obstacles. DEPARTURE PROCEDURE: Use JATTS DEPARTURE.

10266

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES 🔽

ARLINGTON, WA

ARLINGTON MUNI

TAKE-OFF MINIMUMS: Rwy 11, 600-2 or std. with a min. climb of 350' per NM to 700. Rwy 34, 500-2 or std. with a min. climb of 260' per NM to 700.

DEPARTURE PROCEDURE: Rwy 11, turn right.
Rwy 16, climb direct to WATONLOM. Rwys 29,34, turn
left. All aircraft climb direct to WATONLOM. Aircraft
departing WATONLOM on bearings 150° CW 200° and
bearings 260° CW 340° from WATONLOM continue
climb on course. Aircraft departing WATONLOM on
bearings 340° CW 150° from WATONLOM climb in
holding pattern (S, left turns, 339° inbound) to 4500 then
continue climb on course. Aircraft departing WATON
LOM on bearings 200° CW 260° from WATONLOM
climb in holding pattern (S, left turns, 339° inbound) to
1500 then continue climb on course.

ASTORIA, OR

ASTORIA RGNL

TAKE-OFF MINIMUMS: **Rwy 8**, 800-3 or std. with a min. climb of 320' per NM to 900. **Rwy 13**, 700-2 or std. with a min. climb of 350' per NM to 800.

DEPARTURE PROCEDURE: Rwys 8,31, turn left.
Rwy 13, climb runway heading to 800 then climbing right
turn. Rwy 26, turn right. Aircraft departing
northwestbound climb via AST R-290 on course.
All other aircraft climb to 1500 or above via AST R-290
then left turn to AST VOR/DME and continue climbing
on course.

AUBURN, WA

AUBURN MUNI

DEPARTURE PROCEDURE: Use AUBURN DEPARTURE.

AURORA, OR

21 OCT 2010 to 18 NOV 2010

AURORA STATE

DEPARTURE PROCEDURE: **Rwy 17**, turn right, thence... **Rwy 35**, turn left, thence...

...Aircraft proceeding via V23 climb on course; All others climb in UBG VOR/DME holding pattern (hold south, left turn, 003° inbound) to cross UBG VOR/DME at or above MEA/MCA for direction of flight.

NOTE: Rwy17, multiple trees 31 'from departure end of runway, 273' right of centerline, up to 90' AGL/270' MSL. Multiple trees beginning 979' from departure end of runway, 247' right of centerline up to 113' AGL/316' MSL. Road 254' from departure end of runway, 350' left of centerline, 16' AGL/29' MSL. Rwy 35, multiple trees and road beginning 31' from departure end of runway, 163' left of centerline, up to 138' AGL/329' MSL. Multiple trees beginning 973' from departure end of runway, 281' right of centerline, up to 58' AGL/253' MSL.

BAKER, MT

BAKER MUNI

NOTE: Rwy 13, 51' derrick 2200' from departure end of runway on centerline. 100' trees south of airport, near runway, various locations. Rwy 31, 146' antenna on tower 4000' from departure end of runway, 1800' left of centerline. 114' rod on OL antenna 3800' from departure end of runway on centerline.

BAKER CITY, OR

BAKER CITY MUNI

TAKE-OFF MINIMUMS: Rwy 8, 900-2 or std. with a min. climb of 315' per NM to 6000, (788' per min. at 150K, 1050' per min. at 250K). Rwy 13, 1400-2 or std. with a min. climb of 310' per NM to 6000 (775' per min. at 150K, 1033' per min. at 200K, 1292' per min. at 250K). Rwy 17, NA. Rwy 31, 1300-2 or std. with a min. climb of 240' per NM to 6000 (600' per min. at 150K, 800' per min. at 250K). Rwy 35, CAT C, D 1000-2; or std. with a min. climb of 240' per NM to 6000 (600' per min. at 150K, 800' per min. at 250K). Pwy 35, CAT C, D 1000-2; or std. with a min. climb of 240' per NM to 6000 (600' per min. at 150K, 800' per min. at 250K). Pwy 35, CAT C, D 1000' per min. at 250K). DEPARTURE PROCEDURE: Rwy 8.13. turn left.

DEPARTURE PROCEDURE: Rwys 8,13, turn left. Rwys 26,31,35, turn right. All aircraft climb direct BKE VOR/DME. Continue climb in BKE holding pattern (SE, right turns, 298° inbound) to cross BKE VOR/DME at or above MCA or MEA for route of flight.

BELLINGHAM, WA

BELLINGHAM INTL

DEPARTURE PROCEDURE: Rwy 16, climb heading 160° to 600, then climbing right turn direct HUH VORTAC. Do not exceed 210 KIAS until established northbound. Rwy 34, climb heading 340° to 600, then climbing left turn to intercept HUH R-145 to HUH VORTAC, continue climb in holding pattern (northwest, right turn, 149° inbound) to MEA as appropriate for direction of flight.

NOTE: Rwy 16, lighted windsock 9' from departure end of runway, 259' right of centerline, 16' AGL/181' MSL. Multiple trees beginning 747' from departure end of runway, 405' right of centerline, up to 68' AGL/213' MSL. Multiple trees beginning 1128' from departure end of runway, 57' left of centerline, up to 104' AGL/249' MSL. Rwy 34, lighted windsock 93' from departure end of runway, 516' right of centerline, 27' AGL/169' MSL. multiple trees beginning 1372' from departure end of runway, 619' right of centerline, up to 134' AGL/246' MSL.

BEND, OR

BEND MUNI (BDN)
AMDT 4 09183 (FAA)
DEPARTURE PROCEDURE: Use BEND
DEPARTURE.

BIG PINEY, WY

MILEY MEMORIAL FIELD

TAKE-OFF MINIMUMS: Rwys 8,26, NA.
DEPARTURE PROCEDURE: Rwy 13, climb to 8400 via
BPI R-124. Rwy 31, climb to 10800 via BPI R-320
thence all aircraft climb on course.

10266

$\overline{f V}$ TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES $\overline{f V}$

10266

BILLINGS, MT

BILLINGS LOGAN INTL (BIL)

AMDT 5 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10R**, NA-Obstacles. DEPARTURE PROCEDURE: **Rwy 10L**, Climb heading 098° to 4600 before turning right.

NOTE: Rwy10L, fence 466' from departure end of runway, 535' right of centerline, 11' AGL/3511' MSL, cars on road, beginning from 624' from departure end of runway, 427' right of centerline, 15' AGL/3523' MSL, ground beginning 21' from departure end of runway, 499' right of centerline, 0' AGL/3505' MSL. Rwy 25, airport security fence, abeam departure end of runway, 500' left

grount beginning 21 into meparature en dorf uniway, 450 right of centerline, 0' AGL/3505' MSL. Rwy 25, airport security fence, abeam departure end of runway, 500' left of centerline, 11' AGL/3672' MSL to 1200' from departure end of runway, abeam rwy centerline, 11' AGL/3672' MSL.

BLACKFOOT, ID

MCCARLEY FIELD

DEPARTURE PROCEDURE: **Rwy 1**, climb to 7000 (or higher assigned altitude) direct IDA VOR/DME, before proceeding on course. **Rwy 19**, climb to 7000 (or higher assigned altitude) direct PIH VORTAC, before proceeding on course.

BOISE, ID

BOISE AIR TERMINAL / GOWEN FIELD (BOI) AMDT 6 10042 (FAA)

DEPARTURE PROCEDURE: Use GOWEN DEPARTURE.

BONNERS FERRY, ID

BOUNDARY COUNTY (65S)

ORIG 10210 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2**, NA-Terrain.
DEPARTURE PROCEDURE: **Rwy 20**, use KARPS
(RNAV) DEPARTURE.

BOZEMAN,MT

21 OCT 2010 to 18 NOV 2010

GALLATIN FIELD (BZN)

AMDT 3 08213 (FAA)

TAKE-OFF MINIMUMS: Rwys 3, 21, NA-ATC. DEPARTURE PROCEDURE: Rwys 12, 30, use BOZEMAN DEPARTURE.

BREMERTON, WA

BREMERTON NATIONAL (PWT)

AMDT 3 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 or std. w/min. climb of 410' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 1**, Climbing right turn to 6000 direct CAN NDB, Thence...**Rwy 19**, Climb to 6000 direct CAN NDB, thence...

... Continue climb-in-hold (S, LT, 013° inbound) to 6000 before proceeding on course.

NOTES: Rwy 1, Multiple bushes 380' from departure end of runway, 522' left of centerline, up to 17' AGL/456' MSL, multiple trees and poles beginning 1210' from departure end of runway, 622' left of centerline, up to 100' AGL/561' MSL, multiple trees and bushes 1012' from departure end of runway, 708' right of centerline, up to 100' AGL/495' MSL. Rwy 19, Multiple trees beginning 176' from departure end of runway, 337' left of centerline, up to 100' AGL/514' MSL, multiple trees beginning 371' from departure end of runway, 277' right of centerline, up to 100' AGL/548' MSL.

BUFFALO,WY

JOHNSON COUNTY

TAKE-OFF MINIMUMS: Northbound aircraft:

Rwys 13,31,2400-2 or std. with a min. climb of 300' per NM to 7500. Southbound aircraft: Rwy 31,400-2 or std. with a min climb of 300' per NM to 6000.

DEPARTURE PROCEDURE: Northbound aircraft: Rwy 13, turn left. Rwy 31, climb straight ahead. All aircraft proceed via SHR R-139 to SHR VORTAC. Southbound aircraft: Rwy 13, climb straight ahead. Rwy 31, turn right. All aircraft proceed via CZI R-319 to CZI VOR/DME.

BURLEY, ID

BURLEY MUNI (BYI) AMDT 5 10042 (FAA)

TAKE-OFF MINIMUMS: **Rwy 24**, 300-1½ or std. w/min. climb of 428' per NM to 4500.

DEPARTURE PROCEDURE: Rwy 2, climbing left turn direct BYI VOR/DME, continue climb in BYI VOR/DME holding pattern (hold Northwest right turns, 125° inbound) to cross BYI VOR/DME at or above MEA for route of flight. Rwy 6, climbing left turn direct BYI VOR/ DME, continue climb in BYI VOR/DME holding pattern (hold Northwest right turns, 125° inbound) to cross BYI VOR/DME at or above MEA for route of flight. Rwy 20, climbing right turn direct BYI VOR/DME, continue climb in BYI VOR/DME holding pattern (hold Northwest right turns, 125° inbound) to cross BYI VOR/DME at or above MEA for route of flight. Rwy 24, climbing right turn direct BYI VOR/DME, continue climb in BYI VOR/DME holding pattern (hold Northwest right turns, 125° inbound) to cross BYI VOR/DME at or above MEA for route of flight.

NOTE: Rwy 2, obstruction light on bridge 252' from DER, 513' left of centerline, 57' AGL/4195' MSL. Trees beginning 686' from DER, 201' right of centerline, up to 35' AGL/4184' MSL. Tree 694' from DER, 375' left of centerline, 29' AGL/4178' MSL, Obstruction light on building 736' from DER, 188' left of centerline, 11' AGL/ 4161'MSL. Tower 803' from DER, 590' left of centerline, 55' AGL/4204' MSL. Vehicles on road beginning 857' from DER, 1' right of centerline, up to 17' AGL/4168' MSL. Poles beginning 1226' from DER, 549' left of centerline, up to 72' AGL/4222' MSL. Building vent 1240' from DER, 164' left of centerline, 27' AGL/4177' MSL. Stack 2206' from DER, 856' right of centerline, 86' AGL/ 4236' MSL. Stack 2573' from DER, 614' left of centerline, 86' AGL/4236' MSL. Elevators beginning 3980' from DER, 131' right of centerline, up to 133' AGL/ 4283' MSL. Rwy 6, trees beginning 46' from DER, 172' right of centerline, up to 14' AGL/4163' MSL. Rising terrain beginning 49' from DER, 326' right of centerline, up to 4149' MSL. Bush 150' from DER, 103' right of centerline, 5' AGL/4147' MSL. Antenna 586' from DER, 398' left of centerline, 15' AGL/4165' MSL. Obstruction light on bridge 1061' from DER, 80' right of centerline, 39' AGL/4179' MSL.

10266

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES **V**

10266

BURLEY MUNI (BYI) (CON'T)

Rwy 20, obstruction light pole 42' from DER, 124' left of centerline, 16' AGL/4170' MSL. Railroad beginning 65' from DER, 4' left of centerline, up to 23' AGL/4177' MSL. Sign 181' from DER, 121' right of centerline, 18' AGL/ 4172' MSL. Vehicles on road 162' from DER, 2' left of centerline, 17'AGL/4169' MSL. Vehicles on road beginning 335' from DER 348' right of centerline up to 17' AGL/4171' MSL. Pole 446' from DER, 210' right of centerline, 26' AGL/4180' MSL, Antenna 523' from DER, 337' right of centerline, 63' AGL/4217' MSL. Tree 586' from DER, 213' right of centerline, 28' AGL/4182' MSL. Trees beginning 2014' from DER, 339' left of centerline, up to 96' AGL/4251' MSL.

Rwy 24, vehicles on road beginning 25' from DER, 9' left of centerline, up to 15' AGL/4169' MSL. Fence 58' from DER, 8' left of centerline, 4' AGL/4154' MSL. Rising terrain beginning 69' from DER, 201' right of centerline, up to 4154' MSL. Railroad 152' from DER, 6' left of centerline, 23' AGL/4176' MSL. Trees beginning 427' from DER, 101' right of centerline, up to 69' AGL/4223' MSL. Vehicles on road beginning 509' from DER, 586' right of centerline, up to 15' AGL/4169' MSL, Railroad beginning 568' from DER, 288' right of centerline, up to 23' AGL/4177' MSL. Pole 735' from DER, 185' left of centerline, 18' AGL/4172' MSL. Light standard 824' from DER, 58' right of centerline, 23' AGL/4177' MSL Antenna 1630' from DER, 112' left of centerline, 58 AGL/4212' MSL. Tower 2766' from DER, 175' left of centerline, 123' AGL/4282' MSL. Tower 3570' from DER, 158' right of centerline, 157' AGL/4312' MSL. Obstruction light on elevators beginning 3115' from DER, 164' left of centerline, up to 184' AGL/4344' MSL.

BURLINGTON/MOUNT VERNON, WA

SKAGIT RGNL (BVS)

21 OCT 2010 to 18 NOV 2010

ORIG-A 08297 (FAA)

TAKE-OFF MINIMUMS: Rwy 4, 3000-2 or std. with a min. climb of 340' per NM to 3600. Rwy 10, 1700-2 or std. with a min. climb of 245' per NM to 2300. Rwy 22, 1300-2 or std. with a min. climb of 210' per NM to 1800.

DEPARTURE PROCEDURE: Rwys 4,10,22, turn right heading 280°. Rwy 28, climb runway heading. All aircraft climb to 2500 then turn right direct BVS NDB

to cross BVS at or above 4500. Aircraft departing on BVS R-145 CW R-330 climb on course. All others continue climbing in BVS holding pattern (NW, right turns 113° inbound) to cross BVS at or above 6800 before proceeding on course.

NOTE: Rwy 4, tree 2581' from departure end of runway, 426' left of centerline, 100' AGL/212' MSL. Light pole 1489' from departure end of runway, 136' left of centerline 35' AGL/137' MSL. Bush 126' from departure end of runway, 430' right of centerline, 20' AGL/101' MSL. Building 2925' from departure end of runway, 130' left of centerline, 60' AGL/180' MSL

BURNS, OR

BURNS MUNI

DEPARTURE PROCEDURE: Rwy 3, climbing right turn, thence... Rwy 12, climb to 4600 via heading 117°, thence... Rwys 21, 30, climbing left turn, thence... ...All aircraft departing on ILR R-072 CW R-209, climb on course. All others climb on ILR R-123 within 10 NM to cross ILR VOR/DME at or above 5000. NOTE: Rwy 21, pole 820' from departure end of runway,

357' left of centerline, 20' AGL/4169' MSL.

BUTTE, MT

BERT MOONEY

TAKE-OFF MINIMUMS: Rwy 11, NA-obstacles. Rwy 15, std. w/min. climb of 601' per NM to 7300, or 3300-3 for climb in visual conditions. Rwy 29, std. w/min. climb of 832' per NM to 6700, or 3300-3 for climb in visual conditions. Rwy 33, std. w/min. clim b of 355' per NM to 6800, or 3300-3 for climb in visual conditions. DEPARTURE PROCEDURE: Rwy 15, climbing right turn direct CPN VOR/DME, or for climb in visual conditions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence...Rwy 29, climb heading 293° to intercept CPN VOR/DME R-082 to CPN VOR/DME, or for climb in visual conditions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence... Rwy 33, climb direct CPN VOR/DME, or for climb in visual condtions: Cross Bert Mooney Airport westbound at or above 8800 then proceed direct CPN VOR/DME, thence...

...climb in CPN VOR/DME holding pattern (hold north, left turn, 166° inbound) to cross CPN VOR/DME at or above MEA before proceeding enroute.

NOTE: Rwy 15, multiple trees beginning 2 NM from departure end of runway, 1779' right of centerline, up to 100' AGL/6659' MSL. Tree 2.1 NM from departure end of runway, 66' left of centerline, 100' AGL/5934' MSL. Rwy 29, multiple trees and poles beginning 364' from departure end of runway, 7' right of centerline, up to 100' AGL/5621'MSL. Multiple trees and lights beginning 322' left of centerline, up to 100' AGL/5582' MSL Terrain and numerous trees beginning 1.2 NM from departure end of runway, 1022' left of centerline, up to 100' AGL/6379' MSL. Rwy 33, flag pole 1095' from departure end of runway, 730' left of centerline, 64' AGL/ 5583' MSL.

CALDWELL, ID

CALDWELL INDUSTRIAL

TAKE-OFF MINIMUMS: Rwy 12, std. with a min. climb of 300' per NM to 5600, or 2400-3 for climb in visual

DEPARTURE PROCEDURE: Rwy 12, climb via heading 119° to 5600 before proceeding on course. For climb in visual conditions: Cross Caldwell Industrial Airport at or above 4800 before proceeding on course. Rwy 30, climb via heading 299° to 4400 before proceeding on course.

NOTE: Rwy 12, levee 198' from departure end of runway, 281' left of centerline, 0' AGL/2451' MSL. Multiple trees 1462' from departure end of runway, 877' right of centerline, up to 100' AGL/2505' MSL. Rwy 30, multiple poles 206' from departure end of runway, 389' right of centerline, up to 39' AGL/2457' MSL. Rod 353' from departure end of runway, 246' right of centerline, 21' AGL/2439'MSL.

CASPER, WY

CASPER/NATRONA COUNTY INTL (CPR) AMDT 3A 09155 (FAA)

DEPARTURE PROCEDURE: Rwys 3,8,12, turn left. All other runways, turn right. All aircraft climb direct DDY VORTAC before proceeding on course, or comply with published Casper SIDs.

10266

$\overline{f v}$ TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES $\overline{f V}$

10266

CHEHALIS, WA

CHEHALIS-CENTRALIA

DEPARTURE PROCEDURE: **Rwy 16**, climb to 1000 via heading 160° then climbing left turn to 4000 via heading 001° and OLM R-151 to OLM VORTAC before proceeding on course. **Rwy 34**, climb to 4000 via heading 340° and OLM R-176 to OLM VORTAC before proceeding on course.

CHEYENNE, WY

CHEYENNE RGNL/JERRY OLSON FIELD

NOTE: Rwy 13, multiple trees beginning 74' from departure end of runway, 115' left of centerline, up to 40' AGL/6166' MSL. Multiple trees, pole, and fence beginning 34' from departure end of runway, 167' right of centerline, up to 40' AGL/6154' MSL. Rwy 27, multiple trees and poles beginning 525' from departure end of runway, 271' left of centerline, up to 40' AGL/6216' MSL. Multiple trees and poles beginning 1222' from departure end of runway, 275' right of centerline, up to 40' AGL/6216' MSL. Seginning 196' from departure end of runway, 76' left of centerline, up to 40' AGL/6238' MSL. Multiple poles and sign beginning 407' from departure end of runway, 8' left of centerline, up to 69' AGL/6229' MSL.

CODY, WY

21 OCT 2010 to 18 NOV 2010

YELLOWSTONE RGNL (COD) AMDT 4 10042 (FAA)

TAKE-OFF MINIMUMS: Rwy 4, std. with a min. climb of 400' per NM to 8000' or 4200-3 for climb in visual conditions. Rwy 22, std. with a min. climb of 385' per NM to 7400' or 4200-3 for climb in visual conditions. DEPARTURE PROCEDURE: Rwy 4, climb heading 038° to 5900, then climbing left turn via COD R-171 to COD VOR/DME or for climb in visual conditions to cross Yellowstone Rgnl at or above 9400, then via COD R-189 to COD VOR/DME to cross COD VOR/DME at or above MEA for route of flight. Rwy 22, climb heading 218° to 6600, then climbing left turn via COD R-180 to COD VOR/DME or for climb in visual conditions to cross Yellowstone Rgnl at or above 9400, then via COD R-189 to COD VOR/DME to cross COD VOR/DME at or above MEA for route of flight.

NOTE: Rwy 4, trees beginning 100' from DER, 262' right of centerline, up to 79' AGL/5199' MSL. Rising terrain beginning 1723' from DER, 304' right of centerline, up to 5146' MSL. Rwy 22, poles beginning 1 NM from DER, 406' right of centerline, up to 60' AGL/5332' MSL. Rising terrain beginning 1 NM from DER, 109' right of centerline, up to 6235' MSL. Rising terrain beginning 5074' from DER, 131' left of centerline, up to 5428' MSL.

COEUR D'ALENE, ID

COEUR D'ALENE-PAPPY BOYINGTON FIELD (COE)

AMDT 9 10042 (FAA)

DEPARTURE PROCEDURE: use COEUR D'ALENE DEPARTURE.

COLSTRIP, MT

COLSTRIP (M46)

AMDT 2 08157 (FAA)

TAKE-OFF MINIMUMS: Rwy 6 use CISPU (RNAV)
DEPARTURE. Rwy 24, use CONUK (RNAV)
DEPARTURE.

CONRAD, MT

CONRAD

DEPARTURE PROCEDURE: **Rwy 24**, climb runway heading to 4300, then continue climb on course.

CORVALLIS, OR

CORVALLIS MUNI

TAKE-OFF MINIMUMS: Rwys 9, 17, 35, std. with a minclimb of 290' per NM to 3100 or 1700-3 for climb in visual conditions. Rwy 27, std. with a min. climb of 310' per NM to 3100 or 1700-3 for climb in visual conditions. DEPARTURE PROCEDURE: Rwys 9, 17, climbing left turn direct CVO VOR/DME, thence...or, climb in visual conditions to cross CVO VOR/DME at or above 3400. Rwys 27, 35, climbing right turn direct CVO VOR/DME, thence...or, climb in visual conditions to cross CVO VOR/DME at or above 3400.

...climb in CVO VOR/DME holding pattern (E, RT, 261° inbound) to depart at or above 3400.

NOTE: Rwy 9, multiple trees and railroad beginning 549' from departure end of runway, 254' left of centerline, up to 153' AGL/383' MSL. Multiple trees and railroad beginning 670' from departure end of runway, 5' right of centerline, up to 135' AGL/380' MSL. Rwy 27, obstruction light on glideslope 409' from departure end of runway, 325' left of centerline, 28' AGL/273' MSL. Rwy 35, multiple trees beginning 470' from departure end of runway, 544' left of centerline up to 36' AGL/276' MSL.

COWLEY/LOVELL/BYRON, WY

NORTH BIG HORN COUNTY

DEPARTURE PROCEDURE: Rwys 9, 27, aircraft departing via HCY NDB bearings 130° CW 225° climb on course, all others climb in HCY NDB holding pattern (W, right turns, 078° inbound) to cross HCY NDB at or above 9000.

10200

$\overline{f V}$ take-off minimums and (obstacle) departure procedures $\overline{f V}$

DEER PARK. WA

DEER PARK (DEW) AMDT 1 10098 (FAA)

> TAKE-OFF MINIMUMS: Rwy 34, 300-11/2 or std. with a min. climb of 455' per NM to 2500.

DEPARTURE PROCEDURE: Rwy 4, climbing right turn heading 165° and GEG VORTAC R-006 to GEG VORTAC. Rwy 16, climb heading 164° and GEG VORTAC R-006 to GEG VORTAC. Rwy 22, climbing left turn heading 155° and GEG VORTAC R-006 to GEG VORTAC. Rwy 34, climbing right turn heading 165° and GEG VORTAC R-006 to GEG VORTAC.

NOTE: Rwy 4, aircraft 261' from DER, 511' left of centerline, up to 21' AGL/2210' MSL. Trees beginning 1809' from DER, 413' left of centerline, up to 109' AGL/ 2299' MSL. Aircraft 104' from DER, 186' right of centerline, up to 21' AGL/2200' MSL. Trees beginning 1667' from DER, 373' right of centerline, up to 116' AGL/ 2319' MSL. Rwy 16, trees beginning 31' from DER, 455' left of centerline, up to 109' AGL/2279' MSL. Trees beginning 2587' from DER, 621' right of centerline, up to 104' AGL/2264' MSL. Rwy 22, trees beginning 1461' from DER, 211' right of centerline, up to 90' AGL/2270' MSL. Rwy 34, aircraft 23' from DER, 218' left of centerline, up to 21' AGL/2230' MSL. Trees beginning 2678' from DER, 18' left of centerline, up to 165' AGL/ 2375' MSL. Vehicles beginning 74' from DER, 339' right of centerline, up to 15' AGL/2234' MSL. Trees beginning 2219' from DER, 260' right of centerline, up to 100' AGL/2382' MSL.

DILLON, MT

TAKE-OFF MINIMUMS: Rwvs 3.21. NA. DEPARTURE PROCEDURE: Rwys 16,34, turn right, climb in DLN VOR/DME holding pattern (N, right turns, 185° inbound) to cross DLN VOR/DME at or above; northwestbound V257 8500; southwestbound V121 8500; northbound V21 7600; southeastbound V21, V257 9400.

DOUGLAS, WY

CONVERSE COUNTY

TAKE-OFF MINIMUMS: Rwy 5, 300-2 or std. with a min. climb of 250' per NM to 5200. Rwy 23, 1700-3 or std. with a min. climb of 260' per NM to 7200.

DEPARTURE PROCEDURE: Rwy 5, climbing right turn via IIP VOR/DME R-342 to IIP VOR/DME. Rwy 11, climbing right turn via IIP VOR/DME R-312 to IIP VOR/DME. Rwy 23, climbing left turn via IIP VOR/DME R-264 to IIP VOR/DME. Rwy 29, climbing right turn via IIP VOR/DME R-325 to IIP VOR/DME. All aircraft departing IIP R-253 CW R-180 climb on course. All others continue climb in IIP VOR/DME holding pattern (NW, left turns, 125° inbound) to cross IIP VOR/DME at or above: R-181 CW R-199 9600; R-200 CW R-252 8000

NOTE: Rwy 5, trees 1883' from departure end of runway, 549' right of centerline, 35' AGL/5014' MSL. Trees 3407' from departure end of runway, 209' right of centerline, 35' AGL/5074' MSL. Trees 5458' from departure end of runway, 1954' right of centerline, 35' AGL/5132'MSL. Rwy 23, trees 2068' from departure end of runway, 1008' left of centerline, 35' AGL/4994' MSL. Trees 3130' from departure end of runway, 1215' left of centerline, 35' AGL/5014' MSL.

DRIGGS.ID

DRIGGS-REED MEMORIAL (DIJ) AMDT 2 08157 (FAA)

DEPARTURE PROCEDURE: Use LAMON DEPARTURE.

EASTSOUND.WA

ORCAS ISLAND (ORS)

AMDT 1 09351 (FAA)

TAKE-OFF MINIMUMS: Rwv 16, NA-Terrain, Rwv 34. 500-3 or std. w/min. climb of 224' per NM to 600 DEPARTURE PROCEDURE: Rwy 34, climbing right turn to 2000 to intercept HUH VORTAC R-210 to HUH VORTAC, then climb-in-hold (hold South, Left turns, 352° inbound) to cross HUH VORTAC at or above 3800 before proceeding on course.

NOTE: Rwy 34, trees beginning 330' from DER, 411' left of centerline, up to 120' AGL/139' MSL.

ELLENSBURG. WA

BOWERS FIELD

TAKE-OFF MINIMUMS: Rwys 7,11, 4600-3 or std. with a min. climb of 290' per NM to 7800. Rwy 25, 4700-3 or std. with a min. climb of 340' per NM to 7800. Rwy 29, 4600-3 or std. with a min. climb of 320' per NM to 7800.

DEPARTURE PROCEDURE: Rwys 7, 29, climbing right turn direct ELN VORTAC. Rwys 11, 25, climbing left turn direct ELN VORTAC. All aircraft, continue climbing in the ELN VORTAC holding pattern (W, right turns, 087° inbound) to MEA/MOCA for route of flight.

EPHRATA. WA

EPHRATA MUNI (EPH)

AMDT 3 09127 (FAA)

TAKE-OFF MINIMUMS: Rwy 29, NA-Obstacles. DEPARTURE PROCEDURE: Rwy 3, climb heading 027° to 2300 before proceeding on course. Rwy 11, climb heading 112° to 2200 before proceeding on course. Rwy 21, climb heading 207° to 2800 before proceeding on course.

EUGENE, OR

MAHLON SWEET FIELD (EUG)

AMDT 7 10266 (FAA)

DEPARTURE PROCEDURE: Rwys16L, 16R, climb heading 163° to 1000 then climbing right turn...Rwvs 34L, 34R, climb heading 343° to 1000 then climbing left

...all aircraft climb direct EUG VORTAC, then climb in hold in EUG VORTAC holding pattern (hold north, right turns, 175° inbound) to cross EUG VORTAC at or above MEA before proceeding on course.

NOTE: Rwy 16L, multiple power poles beginning 1036 from DER, 74' right of centerline, up to 35' AGL/408' MSL. Multiple power poles beginning 1017' from DER, 211' left of centerline, up to 31' AGL/404' MSL. Rwy 16R, tree 1991' from DER, 83' left of centerline, 54' AGL/419' MSL. Numerous trees beginning 1504' from DER, 489' right of centerline, up to 43' AGL/408' MSL. Rwy 34L, tree 1597' from DER, 842' left of centerline, 50' AGL/ 404' MSL. Rwy 34R, tree 2897' from DER, 606' right of centerline, 77' AGL/440' MSL. Tree 2535' from DER, 643' left of centerline, 65' AGL/428' MSL.

10266



NW-1

10266

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

EVANSTON, WY

EVANSTON-UINTA COUNTY BURNS FIELD

DEPARTURE PROCEDURE: Rwy 5, climb via heading 050° and FBR VOR/DME R-243 to FBR VOR/DME. Rwy 23, climbing left turn via heading 030° and FBR VOR/DME R-243 to FBR VOR/DME.

All aircraft: cross FBR VOR/DME at or above MEA for direction of flight.

EVERETT, WA

SNOHOMISH COUNTY (PAINE FIELD)

TAKE-OFF MINIMUMS: Rwy 29, std. with a min. climb of 353' per NM to 800.

DEPARTURE PROCEDURE: Rwys 11, 16L/R, climbing right turn, thence...Rwys 29, 34L/R, climbing left turn,

...for aircraft departing via V287 west bound, climb via PAE VOR/DME R-236 to 3000. All others, climb direct PAE VOR/DME, climb in PAE VOR/DME holding pattern (NW, RT, 149° inbound) to MEA for route of flight before proceeding on course.

NOTE: Rwy 11, multiple antennas on building, rod on obstruction light, and trees beginning 326' from departure end of runway, 387' right of centerline, up to 85' AGL/664' MSL. Tree 1156' from departure end of runway, 600' left of centerline, 93' AGL/672' MSL. Rwy 16L, multiple trees and pole beginning 588' from departure end of runway, 220' left of centerline, up to 118' AGL/697' MSL. Multiple trees, pole, and building beginning 449' from departure end of runway, 162' right of centerline, up to 78' AGL/657' MSL. Rwy 16R, multiple trees beginning 1228' from departure end of runway, 168' left of centerline, up to 140' AGL/699' MSL. Multiple trees beginning 707' from departure end of runway, 158' right of centerline, up to 118' AGL/687' MSL. Rwy 29, multiple trees beginning 45' from departure end of runway, 66' left of centerline, up to 111' AGL/630' MSL. Multiple trees beginning 343' from departure end of runway, 44' right of centerline, up to 110' AGL/689' MSL. Rwy 34R, multiple trees and pole beginning 3340' from departure end of runway, 180' right of centerline, up to 95' AGL/674' MSL. Tree 5762' from departure end of runway, 221' left of centerline, 103' AGL/682'MSL.

FAIRCHILD AFB (KSKA)

SPOKANE, WA ORIG, 08017 DEPARTURE PROCEDURES: Rwv 5. climb on track

048° to intercept SKA R-045 to 5300, then on course. Rwy 23, climb on track 241° to 3400, then

TAKE-OFF OBSTACLES: Rwy 23, Terrain 2468 MSL, 194' from DER, 405' right of centerline. Terrain 2477' MSL, 461' from DER, 751' right of centerline. Terrain 2477' MSL, 509' from DER, 750' right of centerline.

FORT BENTON, MT

FORT BENTON

TAKE-OFF MINIMUMS: Rwys 5, 23, std. w/min. climb of 274' per NM to 8900 or 5100-3 for climb in visual

DEPARTURE PROCEDURE: Rwys 5, 23, for climb in visual conditions: Cross Fort Benton Airport at or above 8900 MSL before proceeding on course.

FORT BRIDGER, WY

FORT BRIDGER

DEPARTURE PROCEDURE: All aircraft climb direct FBR VOR/DME. Aircraft departing; FBR R-210 CW R-135 climb on course; FBR R-136 CW R-209 cross FBR VOR/DME at or above 9000. (Hold NE, right turns, 215° inbound).

FRIDAY HARBOR, WA

FRIDAY HARBOR

TAKE-OFF MINIMUMS: Rwy 34, 500-1. DEPARTURE PROCEDURE: Aircraft departing FHR NDB Rwy 34, climbing right turn direct FHR NDB, then climb on course. All other aircraft climb on course.

GILLETTE, WY

GILLETTE-CAMPBELL COUNTY (GCC) AMDT 4 09071 (FAA)

TAKE-OFF MINIMUMS: Rwy 16, std. w/min. climb of 275' per NM to 5600, or 1200-3 for climb in visual conditions. Rwy 21, 600-3 or std. w/min. climb of 425' per NM to 5200.

DEPARTURE PROCEDURE: Rwy 16, climb via heading 158° to 5100, before proceeding on course or, for climb in visual conditions cross Gillette-Campbell County airport at or above 5400 before proceeding on course. Rwy 21, climb via heading 206° to 5200, before proceeding on course.

NOTE: Rwy 3, windsock 1415' from DER, 100' left of centerline, 24' AGL/4366' MSL. Trees beginning 1976' from DER, 267' right of centerline, up to 30' AGL/4409' MSL. Rwy 16, tower and poles beginning 1.61 NM from DER, 1264' left of centerline, up to 57' AGL/4696' MSL Post and trees beginning 1.77 NM from DER, 300' right of centerline, up to 51' AGL/4789' MSL. Rwy 21, fence 328' from DER, 267' left of centerline, 7' AGL/4352' MSL, trees 2077' from DER, 1011' right of centerline, 30' AGL/4449' MSL, tree 7029' from DER, 2378' right of centerline, 30 'AGL/4729' MSL. Rwy 34, fence 1236' from DER, 723' left of centerline, 16' AGL/4380' MSL. Vehicle on road 1609' from DER, 419' left of centerline, 15' AGL/4394' MSL. Trees 3093' from DER, 936' right of centerline, 30' AGL/4449' MSL. Vehicle on road 1610' from DER, 419' left of centerline, 15' AGL/4380' MSL.

GOODING, ID

GOODING MUNI (GNG) ORIG 08269 (FAA)

DEPARTURE PROCEDURE: Rwy7, climb heading 068° to 5000 before turning left, Rwy 25, climb heading 233° to 5600 before turning right.

NOTE: Rwy 7, rising terrain 59' from departure end of runway, 479' right of centerline, up to 3754' MSL. Fence line 653' from departure end of runway, 332' right of centerline, 12' AGL up to 3751' MSL. Bushes starting 877' from departure end of runway, 420' right of centerline, 20' AGL up to 3795' MSL. Rwy 25, vehicle on road, 91' from departure end of runway, 257' left of centerline, up to 10' AGL/3678' MSL.

10266

10266

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

GRANGEVILLE, ID

IDAHO COUNTY (S80) AMDT 1 08157 (FAA)

> TAKE-OFF MINIMUMS: Rwy 7, NA - Obstacles. DEPARTURE PROCEDURE: Rwy 25, Use MELLR DEPARTURE.

GRANTS PASS. OR

GRANTS PASS

TAKE-OFF MINIMUMS: Rwy 12, NA. Rwy 30, 4000-3 or std. with a min. climb of 360' per NM to 5000.

DEPARTURE PROCEDURE: Rwy 30, climb via heading 320 until passing 5000, then climbing right turn direct RBG VOR/DME. Cross RBG VOR/DME at or above MEA for route of flight.

GRAY AAF (KGRF)

FORT LEWIS. WA. AMDT 2, 10098

Rwv 15. Standard

Rwy 33, 300-1*

* Or standard with minimum climb of 430/NM to 600. DEPARTURE PROCEDURE: Rwy 15, Climb heading 147° to 700 then climbing left turn direct GRF NDB. Rwy 33, Climb direct GRF NDB. Aircraft departing 330° CW 070° and 135° CW 260° bearing from GRF NDB climb on course. All others continue climb in GRF NDB holding pattern (hold NW, RT, 147° inbound) to cross GRF NDB at or above: 071° CW 134° bearing from GRF NDB, 8500; 261° CW 329° bearing from GRF NDB, 1500.

TAKE-OFF OBSTACLES: Rwy 15, Tree 100' AGL/439' MSL, 1848' from DER, 430' right of centerline. Rwy 33, Tree 100' AGL/479' MSL, 3465' from DER, 1338' left of

GREAT FALLS, MT

21 OCT 2010 to 18 NOV 2010

GREAT FALLS INTL

NOTE: Rwy 7, obstruction light on lighted wind sock 237' from departure end of runway, 519' left of centerline, 34' AGL/3694' MSL. Obstruction light on building 2226' from departure end of runway, 614' left of centerline, 78' AGL/3738' MSL. Building on 681' from departure end of runway, 583' right of centerline, 48' AGL/3688' MSL. Multiple light poles beginning 1359' from departure end of runway, 440' right of centerline, up to 90' AGL/3746' MSL, Rwy 21, pole 1544' from departure end of runway. 791'left of centerline, 45' AGL/3725' MSL. Rwy 25, windmill 2.3 NM from departure end of runway, 4197' right of centerline, 338' AGL/4003' MSL.

GREYBULL, WY

SOUTH BIG HORN COUNTY (GEY) ORIG-A 09239 (FA)

TAKE-OFF MINIMUMS: Rwy 25, 300-1 or std. w/min. climb of 260' per NM to 4200.

DEPARTURE PROCEDURE: All runways, for departures on GEY bearings 320° CW 150°, climb in GEY NDB holding pattern to 9000 before departing on course, then continue climb to MEA or assigned altitude. Departures GEY bearings 150° CW 320° climb on

NOTE: Rwv 25, bush 4955' from DER, 1268' right of centerline, 2' AGL/4101' MSL.

GUERNSEY.WY

CAMP GUERNSEY

TAKE-OFF MINIMUMS: Rwy 14, 300-1 or std. with a min. climb of 320' per NM to 4700. Rwy 32, 1400-2 or std. with a min. climb of 320' per NM to 5800.

DEPARTURE PROCEDURE: Rwy 14, climb to 5600 via heading 150°. Rwy 32, climb to 5800 via heading 070°. All aircraft continue on course.

HAILEY, ID

FRIEDMAN MEMORIAL

TAKE-OFF MINIMUMS: Rwy 13, 2700-3 w/min. climb of 307' per NM to 6400, or 3600-3 for climb in visual conditions. Rwy 31, NA-obstacles.

DEPARTURE PROCEDURE: Rwy 13, Climbing right turn heading 149°, then on 160° course to HLE NDB, or for climb in visual conditions: cross Friedman Memorial Airport at or above 8800 heading 151°, then on 151° course to HLE NDB.

NOTE: Rwy 13, multiple trees beginning 763' from departure end of runway, 3' right of centerline, up to 100' AGL/5345' MSL. Multiple trees beginning 1.3 NM from departure end of runway, 2587' right of centerline, up to 100' AGL/6099' MSL.

HAMILTON, MT

RAVALLI COUNTY

DEPARTURE PROCEDURE: Use HAMEY RNAV DEPARTURE.

HAVRE,MT

HAVRE CITY-COUNTY (HVR) AMDT 3 09351 (FAA)

TAKE-OFF MINIMUMS: Rwv 8, 300-134 or std. w/ min. climb of 217' per NM to 3300.

DEPARTURE PROCEDURE: Rwv 3. climb heading 032° to 3300 then climbing left turn to 8000 direct HVR VOR/DME thence...Rwy 8, climb heading 077° to 3300 then climbing left turn to 8000 via HVR R-025 to HVR VOR/DME thence... Rwy 21, climb heading 212° to 3300 then climbing right turn to 8000 direct HVR VOR/ DME thence...Rwy 26, climb heading 257° to 3300 then climbing right turn to 8000 direct HVR VOR/DME

...continue climb in hold in HVR VOR/DME holding pattern (hold west, right turns, 094° inbound) to cross HVR VOR/DME at or above 8000 before proceeding

NOTE: Rwv 3, pole 2682' from DER, 1044' left of centerline, 21' AGL/2680' MSL. Rwy 8, obstruction light on windsock 59' from DER, 224' left of centerline, 9' AGL/2588' MSL. Tree 1192' from DER, 752' left of centerline, 25' AGL/2610' MSL. Tank 1.3 NM from DER, 2287' left of centerline, 57' AGL/2797' MSL. Rwy 26, light on windsock, 50' from DER, 225' right of centerline, 9' AGL/2589' MSL. Trees beginning 1617' from DER, 650' right of centerline, 25' AGL/2659' MSL.

10266

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES $\overline{\mathbf{V}}$

10266

HELENA, MT

HELENA RGNL (HLN)

ADMT 9 08269 (FAA)

climb of 250' per NM to 8100, or 1600-3 for climb in visual conditions. Rwy 9, std. w/min. climb of 240' per NM to 8100, or 1600-3 for climb in visual conditions. Rwv 23.1600-3 or std. w/min, climb of 560' per NM to 8100, or 1600-3 for climb in visual conditions. Rwy 27,1600-3 or std. w/min. climb of 390' per NM to 8100, or 1600-3 for climb in visual conditions. Rwys 16,34, NA. DEPARTURE PROCEDURE: Rwys 5,9, climbing left turn heading 270°. Rwys 23,27, climbing right turn heading 020°. All Aircraft: continue climb northwestbound via HLN R-318 to 8100, then climbing right turn direct HLN VORTAC, cross HLN VORTAC at or above 9000, before proceeding on course, or for climb in visual conditions; cross Helena Rgnl airport northbound at or above 5300 and continue climbing via HLN R-336 to WOKEN INT before proceeding on

TAKE-OFF MINIMUMS: Rwy 5, 2500-3 or std. w/min.

NOTE: Rwy 5, ground beginning 5' from departure end of runway, 495' right of centerline, up to 3826' MSL. Fence beginning 423' from departure end of runway, 331' right of centerline, up to 10' AGL/3832' MSL. Rwy 23, pole 2198' from departure end of runway, 462' left of centerline, 76'AGL/3996' MSL, tree 1011' from departure end of runway, 379' left of centerline, 44'AGL/3964' MSL, rod on building 953' from departure end of runway, 321' left of centerline, 323' AGL/943' MSL, tree 1519' from departure end of runway, 142' right of centerline, 53' AGL/3953' MSL. Rwy 27, building 1593' from departure end of runway, 731' left of centerline, 58'AGL/6385' MSL. Ground beginning 101' from departure end of runway, 346' left of centerline, up to 3871' MSL. Tree 1567' from departure end of runway, 616' left of centerline, 47' AGL/ 3906' MSL.

HERMISTON, OR

21 OCT 2010 to 18 NOV 2010

HERMISTON MUNI

NOTE: Rwy 4, tower 379' left of departure end of runway, 50' AGL/698' MSL. Rwy 22, light pole 456' left of departure end of runway, 44' AGL/684' MSL.

HOQUIAM. WA

BOWERMAN

TAKE-OFF MINIMUMS: Rwy 6, 600-2 or std. with a min. climb of 260' per NM to 600

DEPARTURE PROCEDURE: Rwy 6, climbing right turn heading 110°: Rwy 24, climb runway heading. All aircraft climb to 600 continue climb on course.

HULETT. WY

HULETT MUNI (W43)

ORIG 07354 (FAA)

TAKE-OFF MINIMUMS: Rwy 13, std. w/min. climb of 450' per NM to 6300, or 500-21/4 w/ min. climb of 295' per NM to 7700, or 2200-3 for climb in visual conditions DEPARTURE PROCEDURE: Rwy 13, climb to 7700 via heading 132° before proceeding on course, or climb in visual conditions: cross Hulett Muni Airport at or above 6300 before proceeding on course. Rwy 31, climbing right turn on a heading between 090° clockwise to 115° from departure end of runway to 7700 before proceeding

NOTE: Rwy 13, road 398' from departure end of runway, 37' left of centerline, 15' AGL/4296' MSL, truck on road 1126' from departure end of runway, 346' right of centerline, 15' AGL/4334' MSL, trees beginning 4945' from departure end of runway, across centerline, up to 100' AGL/4657' MSL. Rwy 31, terrain 104' from departure end of runway, 420' left of centerline, 4200' MSL, terrain 344' from departure end of runway, 233' left of centerline, 4207'MSL.

IDAHO FALLS, ID

IDAHO FALLS RGNL (IDA)

AMDT 4 09351 (FAA)

DEPARTURE PROCEDURE: All aircraft departing IDA R-160 CW R-040 climb on course. All others climb direct IDA VOR/DME. Continue climb in IDA holding pattern (South, left turns, 019° inbound) to cross IDA VOR/DME at or above 7500 before proceeding on course.

NOTE: Rwy 2, pole 1039' from DER, 758' left of centerline, 42' AGL/4762' MSL. Rwy 17, trees, flagpole, building, light and vent on buildings, and vehicle on road beginning 29' from DER, 10' right of centerline, up to 84' AGL/4820' MSL. Trees and vent on building beginning 569' from DER, 22' left of centerline, up to 35' AGL/4760' MSL. Trees, antenna, and light poles beginning 1853' from DER, 26' right of centerline, up to 121' AGL/4851' MSL. Rwy 35, trees and railroad beginning 410' from DER, 503' right of centerline, up to 49' AGL/4769' MSL. Tree 1034' from DER, 715' left of centerline, 42' AGL/4762' MSL.

JACKSON, WY

JACKSON HOLE

DEPARTURE PROCEDURE: Rwy 1, use GEYSER DEPARTURE. Rwy 19, use TETON DEPARTURE.

JEROME.ID

JEROME COUNTY (JER) AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: Rwy 9,500-134 or std. w/ min. climb of 435' per NM to 4700.

DEPARTURE PROCEDURE: Rwy 9, climb heading 086° to 5300 before proceeding on course. Rwy 27, climb heading 266° to 4800 before proceeding on course

NOTE: Rwv 9. bush 140' from DER, 500' left of centerline, 16' AGL/4076' MSL. Poles starting 1432' from DER, 32' left of centerline, up to 47' AGL/4169' MSL. Sign 1473' from DER, 547' left of centerline, 49' AGL/4119' MSL. Obstruction light on building 1510' from DER, 6' left of centerline, 43' AGL/4103' MSL. Trees starting 1651' from DER, 100' left of centerline, up to 53' AGL/4137' MSL. Building 2186' from DER, 173' left of centerline, 29' AGL/4119' MSL. Rising terrain starting 2549' from DER, 560' left of centerline, up to 4219' MSL. AG equip 4752' from DER, 517' left of centerline, 26' AGL/4175' MSL. Poles starting 600' from DER, 254' right of centerline, up to 48' AGL/4173' MSL. Rwy 27, fence starting 18' from DER, 440' left of centerline, up to 9' AGL/3969' MSL.

JOHN DAY, OR

GRANT COUNTY RGNL/OGILVIE FIELD (GCD)

AMDT 1 09015 (FAA)

TAKE-OFF MINIMUMS: Rwys 9, 17, 35, NA, Terrain. DEPARTURE PROCEDURE: Rwy 27, climbing left turn to 12000 heading 270° and IMB R-100 to IMB VORTAC, climb in IMB VORTAC holding pattern (E, right turns, 280° inbound) to cross IMB VORTAC at or above MEA for route of flight.

NOTE: Rwy 27, fence beginning 195' from departure end of runway, 50' right of centerline, up to 16' AGL/3665' MSL. Trees beginning 229' from departure end of runway, 261' right of centerline, up to 26' AGL/3662' MSL, Bush 389' from departure end of runway, 438' right of centerline, 20' AGL/3659' MSL.

KALISPELL, MT

21 OCT 2010 to 18 NOV 2010

GLACIER PARK INTL

DEPARTURE PROCEDURE: Use SKOTT DEPARTURE.

KELSO, WA

SOUTHWEST WASHINGTON RGNL (KLS) AMDT 3 10098 (FAA)

TAKE-OFF MINIMUMS: Rwy 12, NA, terrain. Rwy 30, std. with a min. climb of 370' per NM to 1900 or 1900-21/2 for climb in visual conditions.

DEPARTURE PROCEDURE:. Rwy 30, climb heading 303° to 1900 then climbing right turn to 3900 direct LSO NDB. Continue climb in LSO NDB holding pattern (North, right turns, 175° inbound) to cross LSO NDB at or above 3900, then via BTG R-310 to BTG VORTAC. For climb in visual conditions: cross Southwest Washington Rgnl at or above 1800, then via BTG R-309 to BTG VORTAC.

NOTE: Rwy 30, light pole 22' from DER, 301' right of centerline, 30' AGL/49' MSL. Windsock 235' from DER, 348' left of centerline, 30' AGL/49' MSL. Rotating beacon 502' from DER, 425' left of centerline, 50' AGL/70' MSL. Multiple trees beginning 213' from DER, 530' right to 747' left of centerline, up to 136' AGL/155' MSL. Pole 964' from DER, 44' right of centerline, 30' AGL/50' MSL.

KEMMERER, WY

KEMMERER MUNI (EMM) AMDT 1 09239 (FAA)

TAKE-OFF MINIMUMS: Rwys 4,10,22,28, NA - Rwy

DEPARTURE PROCEDURE: Rwy 16, climb to 12000 via heading 166° and FBR VOR/DME R-330 to FBR VOR/ DME before proceeding on course. Rwy 34, climb via heading 346° to 8200 then climbing right turn to 12000 via heading 125° and FBR VOR/DME R-345 to FBR VOR/ DME before proceeding on course.

KLAMATH FALLS. OR KLAMATH FALLS (LMT)

AMDT 5 10210 (FAA)

TAKE-OFF MINIMUMS: Rwy 7, NA - Terrain. Rwy 14, std. w/min. climb of 300' per NM to 7100, or 3100 - 3 for climb in visual conditions. Rwy 25, std. w/min. climb of 400' per NM to 7100, or 3100 - 3 for climb in visual conditions. Rwy 32, std. w/min. climb of 350' per NM to 7100, or 3100 - 3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 14, climb heading 141° to 6500 then climbing right turn to intercept LMT R-181 to LMT VORTAC, thence... or for climb in visual conditions: cross Klamath Falls airport at or above 7000 direct LMT VORTAC, thence... Rwy 25, climb heading 253° to 6000 then climbing right turn to intercept LMT R-306 to LMT VORTAC, thence ... or for climb in visual conditions: cross Klamath Falls airport at or above 7000 direct LMT VORTAC, thence... Rwy 32, climb heading 321° to 6700 then climbing left turn to intercept LMT R-277 to LMT VORTAC, thence ... or for climb in visual conditions: cross Klamath Falls airport at or above 7000 direct LMT VORTAC, thence...

...continue climb in LMT VORTAC holding pattern (West, Right Turns, 070° inbound) to cross LMT VORTAC at or above MEA for route of flight.

NOTE: Rwy 14, trees 3108' from DER, 1240' left of centerline, 100' AGL/4183' MSL. Rwy 25, terrain and trees beginning 597' from DER, 420' left of centerline, up to 100' AGL/4499' MSL. Vehicles on road and railroad beginning 254' from DER, 127' left of centerline, up to 23' AGL/4113' MSL. Rwy 32, multiple trees beginning 2625' from DER, 742' left of centerline, up to 100' AGL/4191'

10266

LA GRANDE, OR

LA GRANDE/UNION COUNTY

TAKE-OFF MINIMUMS: Rwy 12, Cat A/B 2900-3 or std. with a min. climb of 350' per NM to 6100. Cat C/D 4500-3 or std. with a min. climb of 500' per NM to 7800. Rwv 30. Cat A/B 2900-3 or std, with a min, climb of 350' per NM to 6100. Cat C/D 3600-3 or std. with a min. climb of 450' per NM to 6800. Rwy 34, 2900-3 or std. with a min. climb of 350' per NM to 6100. Rwy 16, 2000-3 or std. with a min. climb of 500' per NM to 5000. DEPARTURE PROCEDURE: Rwy 12,16, climbing left turn direct LGD NDB, thence; Rwys 30,34, climbing right turn heading 010°, thence; all aircraft climb to 7000 via the 339° bearing from LGD NDB, then climbing right turn direct LGD NDB.

LAKEVIEW, OR

LAKE COUNTY

TAKE-OFF MINIMUMS: Rwy 16, 3700-5 or std. with a min. climb of 320' per NM to 8800. Rwy 34, 2500-5 or std. with a min. climb of 320' per NM to 8500.

DEPARTURE PROCEDURE: Rwy 16, climbing right turn via LKV R-163 to LKV VORTAC. Rwy 34, climbing left turn heading 320° to intercept LKV R-148 then via LKV R-148 to LKV VORTAC. All aircraft continue climbing in the LKV VORTAC holding pattern (NW, right turns, 148° inbound) to MEA for route of flight.

LARAMIE, WY

LARAMIE RGNL

DEPARTURE PROCEDURE: Rwy 3, turn left. Rwys 12,21, turn right. All aircraft climb direct LAR VORTAC, continue climb in holding pattern (W, left turns, 107° inbound) to cross LAR VORTAC at or above: westbound V4, 10600. All others cross LAR VORTAC at or above MEA for direction of flight.

LAUREL, MT

21 OCT 2010 to 18 NOV 2010

LAUREL MUNI

TAKE-OFF MINIMUMS: Rwys 9, 14, 27, 32, NA. DEPARTURE PROCEDURE: Rwy 22, turn left. All aircraft climb direct BIL VORTAC.

LEWISTON.ID

LEWISTON-NEZ PERCE COUNTY (LWS) AMDT 3A 10182 (FAA)

DEPARTURE PROCEDURE: Rwys 8,12,26,30, turn left direct MQG VOR/DME. Continue climb in holding pattern (W, left turns, 066° inbound) to cross MQG VOR/DME at or above 3600.

LEWISTOWN,MT

LEWISTOWN MUNI

TAKE-OFF MINIMUMS: Rwy 2, 1800-2 or std. with a min. climb of 280' per NM to 6900. Rwy 7,12, 900-2 or std. with a min. climb of 220' per NM to 6200.

DEPARTURE PROCEDURE: Rwys 2,30 turn left. Rwvs 7.12.20, turn right, Rwv 25, climb runwav

heading. All aircraft climb direct LWT VORTAC Continue climb in holding pattern (W, right turns, 094° inbound) to MEA for route of flight.

LEXINGTON, OR

I FXINGTON

TAKE-OFF MINIMUMS: Rwy 26, std. with min. climb of 280' per NM to 7600, or 1600-21/2 for climb in visual conditions. Rwy 8, std. with min. climb of 490' per NM to 4200, or 1600-21/2 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwys 8, 26, for climb in visual conditions: cross Lexington Airport at or above

NOTES: Rwy 8, trees 1.42 NM from departure end of runway, 2386' left of centerline, 100' AGL/2159' MSL. Trees 1.48 NM from departure end of runway, 2755' left of centerline, 100' AGL/2179' MSL.

LIBBY, MT

LIBBY

TAKE-OFF MINIMUMS: Rwy 33, not authorized. Rwv 15. use EYESE RNAV DEPARTURE.

LIVINGSTON, MT

MISSION FIELD (LVM)

AMDT 3 09071 (FAA)

TAKE-OFF MINIMUMS: Rwys 8,13,26,31, NA-Enivironmental

DEPARTURE PROCEDURE: Rwys 4, 22, use LIVINGSTON DEPARTURE.

MADRAS, OR

MADRAS MUNI (S33)

AMDT 1 10154 (FAA)

TAKE-OFF MINIMUMS: Rwys 16, 22, std. with a min. climb of 298' per NM to 3900 or 1300-3 for climb in visual conditions

DEPARTURE PROCEDURE: Rwys 4, 34, climbing left turn heading 210° to intercept DSD R-348 to DSD VORTAC, thence... Rwy 16, climbing right turn heading 210° to intercept DSD R-348 to DSD VORTAC, thence.... or for climb in visual conditions; cross Madras Muni airport at or above 3600 MSL, then proceed on DSD R-356 to DSD VORTAC. thence...Rwy 22, climb heading 216° to intercept DSD R-348 to DSD VORTAC, thence ..., or for climb in visual conditions: cross Madras Muni airport at or above 3600 MSL, then proceed on DSD R-356 to DSD VORTAC. thence ...

...continue climb-in-hold (hold North, right turns, 168° inbound) to MEA/MCA for route of flight.

NOTE: Rwy 4, vehicle on road beginning 7' from DER, 268' left of centerline, up to 15' AGL/2444' MSL. Airplane on tarmac 60' from DER, 252' right of centerline, 40'AGL/2469' MSL, Bush 383' from DER, 483' right of centerline, 19' AGL/2439' MSL. Vehicle on road 742' from DER, 112' right of centerline, up to 15' AGL/2447' MSL. Rwy 16, bushes beginning 196' from DER, 151' left of centerline, up to 14' AGL/2444' MSL. Airplane on tarmac 1357' from DER, 280' right of centerline 40' AGL/2479' MSL. Rwy 34, bushes beginning 92' from DER, 116' right of centerline, up to 17' AGL/2437' MSL. Airplane on tarmac 1396' from DER, 375' left of centerline, 40' AGL/2469' MSL.

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES $\overline{f V}$

10266

MC CALL, ID

MC CALL MUNI (MYL) AMDT 2 09127 (FAA)

> TAKE-OFF MINIMUMS: Rwy 34, NA-Obstacles DEPARTURE PROCEDURE: Rwy 16, use MCCALL DEPARTURE.

MC CHORD FIELD (KTCM)

DEPARTURE PROCEDURE: Rwy 16, Track heading

160°, turn left to intercept SEA VORTAC R-168 (V495) to SEA 168/37.1 DME (ALDER), Cross ALDER at or above 4000. After ALDER, maintain MEA/MOCA for route of flight. Rwy 34, Track heading 340°, then turn right to intercept SEA VORTAC R-168 (V495) to SEA R-168/37.1 DME (ALDER). Cross ALDER at or above 4000. Maintain MEA/MOCA for route of flight.

TAKEOFF OBSTACLES: Rwy 16, Grove of trees 143' AGL/454' MSL, 4892' from DER, 1353' left of centerline. Grove of trees 102' AGL/419' MSL, 2395' from DER, 1028' right of centerline. Trees 136' AGL/447' MSL, 2867' from DER, 1261' left of centerline, Trees 120 AGL/430' MSL, 2594' from DER, 1113' left of centerline. Trees 85' AGL/394' MSL, 2310' from DER, 957' left of centerline, Trees 83' AGL/392' MSL, 2006' from DER, 959' left of centerline. Trees 87' AGL/389' MSL, 1758 from DER, 971' left of centerline. Rwy 34, Tree 106 AGL/348' MSL, 2307' from DER, 1038' left of centerline Tree 121' AGL/370' MSL, 3190' from DER, 526' right of centerline. Aircraft 65' AGL/317' MSL, 186' from DER, 407' left of centerline. Tree 64' AGL/343' MSL, 2260' from DER, 1036' left of centerline. Building 40' AGL/321' MSL, 1668' from DER, 810' left of centerline.

MC MINNVILLE, OR

MC MINNVILLE MUNI (MMV)

AMDT 4 08325 (FAA)

TAKE-OFF MINIMUMS: Rwy 4, 400-114 or std. w/min. climb of 238' per NM to 400, or alternatively, with standard take-off minimums and normal 200'/NM climb gradient, take-off must occur no later than 2000' prior to departure end of runway. Rwy 17, std. w/min. climb of 300' per NM to 1200 or 1800-21/2 for climb in visual conditions, Rwv 22, std, w/min, climb of 303' per NM to 1400 or 1800-21/2 for climb in visual conditions. DEPARTURE PROCEDURE: Rwv 4. climb heading 038° to intercept UBG R-170 to UBG VOR/DME, thence

Rwy 17,22, climbing left turn to intercept UBG R-183 to UBG VOR/DME, thence ... or for climb in visual conditions: cross Mc Minnville Muni at or above 1800 before proceeding on course. Rwy 35, climb heading 347° to intercept UBG R-221 to UBG VOR/DME,

... continue climb in UBG VOR/DME holding pattern (S, left turns, 003° inbound) until reaching MEA for route of

NOTE: Rwv 4. multiple trees beginning 2040' from departure end of runway, 353' left and 209' right of centerline, up to 100' AGL/339 feet MSL. Rwy 17, tree 1719' from departure end of runway, 456' right of centerline, 100' AGL/231' MSL. Tree 1760' from departure end of runway, 627' left of centerline, 100' AGL/257' MSL. Rwy 22, multiple trees beginning 282' from departure end of runway, 120' left and 144' right of centerline, up to 100' AGL/246' MSL. Tree 4047' from departure end of runway, 1319' left of centerline, 100' AGL/284' MSL. Rwy 35, multiple trees beginning 1551' from departure end of runway, 229' right of centerline, up to 100' AGL/277' MSL.

MEDFORD.OR

ROGUE VALLEY INTL-MEDFORD (MFR) AMDT 9A 10182 (FAA)

TAKE-OFF MINIMUMS: Rwys 10, 28, NA-Obstacles. Rwy 14, std. w/min. climb of 430' per NM to 4600, or 2900-3 for climb in visual conditions, Rwv 32, std. with a min. climb of 260' per NM to 6800, or 2900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 14, climbing right turn direct OED VORTAC, or for climb in visual conditions, cross Rogue Valley Intlairport at or above 4100 before proceeding direct OED VORTAC...

Rwy 32, climbing right turn direct OED VORTAC, or for climb in visual conditions, cross Rogue Valley Intl airport at or above 4100 before proceeding direct OED VORTAC

...all aircraft climb in OED VORTAC holding pattern (hold NW, right turns, 153° inbound) to cross OED VORTAC at or above 6400.

MISSOULA, MT

MISSOULA INTL (MSO)

AMDT 8 08213 (FAA)

TAKE-OFF MINIMUMS: Rwys 7,25, NA-Obstacles. DEPARTURE PROCEDURE: Rwvs 11.29. use GRZLY DEPARTURE.

10266

10266

MOSES LAKE, WA

GRANT COUNTY INTL

NOTE: Rwy 14R, antenna 3902' from departure end of runway, 828' right of centerline, 98' AGL/1268' MSL. Rwy 18, pole 405' from departure end of runway, 334' right of centerline, 30' AGL/1209' MSL. Windsock 496' from departure end of runway, 371' left of centerline, 16' AGL/1195'MSL. Rwy 32L, pole 1326' from departure end of runway, 373' left of centerline, 22' AGL/1202' MSL.

MOUNTAIN HOME AFB (KMUO)

MOUNTAIN HOME, ID 07270 Rwy 12, 30, 6700-3*

* Or standard with minimum climb of 270/NM to 9100. TAKE-OFF OBSTACLES: Rwv 12. Terrain 0' AGL/ 3028' MSL, 1224' from DER, 744' right of centerline. Terrain 0' AGL/3035' MSL, 824' from DER, 721' right of centerline. Terrain 0' AGL/3035' MSL, 507' from DER, 636' right of centerline. Terrain 0' AGL/ 3022' MSL, 49' from DER, 202' right of centerline. Terrain 0' AGL/3018' MSL, 148' from DER, 328' left of centerline, Terrain 0' AGL/3016' MSL, 300' from DER, 580' left of centerline, Road/Vehicle 15' AGL/ 3044' MSL, 1147' from DER, 794' right of centerline. Power pole 35' AGL/3069' MSL, 2914' from DER, 940' right of centerline. Tower 30' AGL/3032' MSL 1067' from DER, 902' right of centerline. Tower 28' AGL/3039' MSL, 1172' from DER, 796' right of centerline. Tower 45' AGL/3054' MSL, 2152' from DER, 1478' left of centerline. Rwy 30, Terrain 0' AGL/2995' MSL, 40' from DER, 492' left of centerline, Terrain 0' AGL/2999' MSL, 370' from DER, 467' right of centerline. Terrain 0' AGL/ 3006' MSL, 507' from DER, 636' right of centerline. Terrain 0' AGL/3007' MSL, 570' from DER, 653' right of centerline. Road/Vehicle 35' AGL/3019' MSL, 954' from DER, 773' left of centerline.

MOUNTAIN HOME, ID

MOUNTAIN HOME MUNI

TAKE-OFF MINIMUMS: Rwy 10, 3500-2 or std. with a min. climb of 305' per NM to 7300. Rwy 28, 3500-2 or std. with a min. climb of 290' per NM to 7300.

DEPARTURE PROCEDURE: Rwy 10, climbing left turn direct STI NDB. Rwy 28, climbing right turn direct STI NDB. All aircraft departing STI NDB bearing 080° CW 340° climb on course. All others continue climb in hold (E, left turns, 271° inbound) to cross STI NDB at or above 7300.

NAMPA, ID

NAMPA MUNI

DEPARTURE PROCEDURE: Rwy 11, climbing right turn direct MPA NDB, continue climb in MPA holding pattern (NW, right turns, 145° inbound). Depart MPA NDB at or above 5500 before proceeding on course. Rwy 29, climb runway heading to 3700 then climbing right turn direct MPA NDB, continue climb in MPA holding pattern (NW, right turns, 145° inbound). Depart MPA NDB at or above 5500 before proceeding on

NOTE: Rwy 11, 70' AGL tree, 1225' from departure end of runway, 90' right of centerline.

NEWCASTLE.WY

MONDELL FIELD (ECS)

AMDT 3A 09267 (FAA)

TAKE-OFF MINIMUMS: Rwys 5,17,23,35, NA. Rwy 13, 200-1 or std. with a min. climb of 275' per NM to 4400. Rwy 31, 300-1 or std. with a min. climb of 300' per NM to

DEPARTURE PROCEDURE: Rwy 31, climbing left turn. All aircraft climb to 5500 via ECS R-143, then climbing right turn direct ECS VOR, continue climb on course. NOTE: Rwy 13, fence posts, beginning 299' from DER, 218' left of centerline, up to 10' AGL/4190' MSL, Light on antenna 1951' from DER, 879' left of centerline, 84' AGL/4244' MSL. Rwy 31, multiple poles, beginning 74' from DER, 237' right of centerline, up to 20' AGL/4200' MSL. Bush 5787'from DER, 1441' right of centerline, 13' MSL/4363' MSL. Railroad 735' from DER, 314' right of centerline 30'AGL/4202' MSL. Road 207' from DER, 254'right of centerline, 15' AGL/4187'MSL.

NEWPORT,OR

NEWPORT MUNI

TAKE-OFF MINIMUMS: Rwy 2, NA. Rwy 16, 500-2 or std, with a min, climb of 310' per NM to 800.

DEPARTURE PROCEDURE: Rwv 2, NA. Rwv 16, turn right. Rwy 34, turn left. Aircraft departing via ONP R-180 CWR-320 depart on course. All others continue climbing via ONP R-200 to 1500 then climbing left turn direct ONP VORTAC. Cross ONP VORTAC at or above 2200.

10266



10266

NORTHBEND, OR

SOUTHWEST OREGON RGNL (OTH)

AMDT 5 10154 (FAA)

TAKE-OFF MINIMUMS: Rwy 4, std. with a min. climb of 475' per NM to 1200 or 900-3 with a min, climb of 300' per NM to 900 or 1600-21/2 for climb in visual conditions. Rwy 13,400-21/2 with a min. climb of 250' per NM to 2500 or 1600-21/2 for climb in visual conditions. Rwy 31, 300-134 or std. with a min. climb of 280' per NM to 300.

DEPARTURE PROCEDURE: Rwy 4, climb heading 043° to intercept OTH VORTAC R-337 northwest bound to 1800 before proceeding on course, or for climb in visual conditions cross Southwest Oregon Rgnlairport at or above 1500 before proceeding on course. Rwy 13, climb heading 132° to 1300 before proceeding on course, or for climb in visual conditions cross Southwest Oregon Rgnl airport at or above 1500 before proceeding on course. Rwy 22, climb heading 223° to 700 before proceeding on course. Rwy 31, climb heading 312° to 800 before proceeding on course.

NOTE: Rwy 4, Obstruction light on antenna 383' from DER, 207' right of centerline, 22' AGL/35' MSL. Ship 1000' from DER, on centerline, up to 140' MSL Obstruction lights on bridge beginning 1886' from DER, 621' left of centerline, up to 93' AGL/93' MSL. Bridge beginning 4728' from DER, 580' right of centerline, 265' AGL/265' MSL. Obstruction lights on bridge beginning 4741' from DER, 948' right of centerline, up to 268' AGL/ 268' MSL. Transmission tower 5031' from DER, 677' right of centerline, 213' AGL/216' MSL. Trees beginning 1.2 NM from DER, 409' left of centerline, up to 150' AGL/549' MSL. Trees beginning 1.5 NM from DER, 1396' right of centerline, up to 150' AGL/629' MSL. Buildings beginning 1.7 NM from DER, 776' left of centerline, up to 73' AGL/393' MSL. Rwy 13, bushes beginning 38' from DER, 175' left of centerline, up to 16' AGL/33' MSL. Vehicle on road, 193' from DER, 237' left of centerline, up to 15' AGL/30' MSL. Bush 193' from DER, 145' right of centerline, up to 20' AGL/37' MSL Trees beginning 346' from DER, 17' right of centerline, up to 150' AGL/349' MSL. Buildings beginning 504' from DER, 243' right of centerline, up to 86'AGL/106' MSL. Trees beginning 628' from DER, 6' left of centerline, up to 150' AGL/298' MSL. Antenna on building 712' from DER, 554' right of centerline, up to 51' AGL/68' MSL. Poles beginning 880' from DER, 13' right of centerline, up to 136' AGL/236' MSL. Spire 3467' from DER, 1122' left of centerline, 55' AGL/243' MSL, Pole 1.0 NM from DER, 159' left of centerline, up to 121' AGL/221' MSL Rwy 22, ship 4050' from DER, on centerline, up to 140' MSL. Rwy 31, ship 1000' from DER, on centerline, up to 140' MSL. Trees beginning 5037' from DER, 15' left of centerline, up to 92' AGL/232' MSL. Trees beginning 5985' from DER, 1419' right of centerline, up to 108'

OAK HARBOR, WA

A J EISENBERG (OKH)

ORIG-A 09071 (FAA)

TAKE-OFF MINIMUMS: Rwy 7, 300-1. Rwy 25, 300-1 DEPARTURE PROCEDURE: Rwy7, climb via heading 071° to 2000, then climbing right turn direct CVV VOR/DME. Continue climb on course. Rwy 25, climb via heading 251° to 2100, then climbing left turn direct CVV VOR/DME. Continue climb on course.

NOTE: Rwy7, multiple trees beginning 1167' from DER, 212' left of centerline, up to 80' AGL/319' MSL. Multiple trees beginning 664' from DER, 208' right of centerline, up to 80' AGL/299' MSL. Fence 612' from DER, right and left of centerline, 10' AGL/229' MSL. Multiple bushes beginning 240' from DER, 64' left of centerline, up to 8' AGL/227' MSL. Rwy 25, cars on road 87' from DER, left and right of centerline, up to 15' AGL/174' MSL. Multiple trees beginning 2271' from DER, right and left of centerline, up to 80' AGL/279' MSL.

OLYMPIA, WA

OLYMPIA RGNL (OLM)

AMDT 5A 09127 (FAA)

TAKE-OFF MINIMUMS: Rwy 17, 300-2 or std. with a min. climb of 706' per NM to 600, or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 8, climb heading 085° to 1000 then climbing left turn direct OLM VORTAC, thence...Rwy 17, climb heading 172° to 1200 then climbing right turn direct OLM VORTAC, thence.. or climb in visual conditions to cross OLM VORTAC at or above 2300, thence... Rwy s 26,35, climbing right turn direct OLM VORTAC, thence...

... continue climb in OLM VORTAC holding pattern (south, right turn, 356° inbound) to cross OLM VORTAC at or above MEA/MCA for route of flight.

NOTE: Rwy 8, multiple trees beginning 880' from DER, 214' left of centerline, up to 100' AGL/343' MSL Multiple trees beginning 1636' from DER, 131' right of centerline, up to 100' AGL/320' MSL. Rwy 17, multiple trees beginning 1008' from DER, 24' left of centerline, up to 100' AGL/490' MSL. Multiple trees beginning 752' from DER, 3' right of centerline, up to 100' AGL/370' MSL. Rwy 26, multiple trees and WSK on building beginning 475' from DER, 595' left of centerline, up to 100' AGL/330' MSL. Multiple trees beginning 338' from DER, 339' right of centerline, up to 100' AGL/309' MSL. Rwy 35, multiple trees beginning 2176' from DER, 198' left of centerline, up to 100' AGL/313' MSL. Multiple trees and field light on hangar beginning 657' from DER, 621' right of centerline, up to 100' AGL/315' MSL.

OMAK, WA

OMAK

TAKE-OFF MINIMUMS: Rwy 17, 2200-2 or std. with a min. climb of 300' per NM to 4200. Rwy 35, NA. DEPARTURE PROCEDURE: Rwy 17, use GETNG RNAV DEPARTURE. Rwy 35, NA.

AGL/188'MSL.

ONTARIO.OR

ONTARIO MUNI (ONO)

AMDT 3 08325 (FAA)

DEPARTURE PROCEDURE: Rwv 32, climb to 9600 on a heading between 010° CW to 141° from departure end of runway or minimum climb of 280' per NM to 9600 for all other courses.

NOTE: Rwy 14, multiple trees, poles, and buildings beginning 90' from departure end of runway, 157' right of centerline up to 120' AGL/2314' MSL. Multiple trees, poles, and buildings beginning 502' from departure end of runway, 506' left of centerline up to 120' AGL/2314' MSL. Rwy 32, multiple trees, poles, and buildings beginning 340' from departure end of runway, 405' left of centerline up to 100' AGL/2458' MSL. Multiple trees, poles, and buildings beginning 2' from departure end of runway, 472' right of centerline up to 100' AGL/2431'

PASCO, WA

TRI-CITIES

DEPARTURE PROCEDURE: All runways, climb runway heading to 1000, thence... Rwy 12, turn left. All others turn right. All aircraft climb direct PSC VOR/DME before proceeding on course.

PENDLETON.OR

EASTERN OREGON RGNL AT PENDLETON (PDT)

AMDT 3 09183 (FAA)

DEPARTURE PROCEDURE: Rwvs 7, 29, 34, climbing left turn direct PDT VORTAC, thence...

Rwys 11, 16, climbing right turn direct PDT VORTAC,

Rwy 25, climb direct PDT VORTAC, thence... ...continue climb in PDT VORTAC holding pattern (West, left turn, 073° inbound) to cross PDT VORTAC at or above MEA before proceeding on course.

NOTE: Rwy 16, multiple trees beginning 232' from DER, 348' right of centerline, up to 100' AGL/1579' MSL. Rwv 25, multiple antennas and terrain beginning 203' from DER, 259' left of centerline, up to 13' AGL/1512' MSL. Rwy 29, terrain 189' from DER, 247' left of centerline, 1493' MSL.

PINEDALE, WY

PINEDALE/RALPH WENZ FIELD (PNA) AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: Rwy 29, std. with a min. climb of 310' per NM to 8300, or 4900-3 for climb in visual

DEPARTURE PROCEDURE: Rwy 11, climbing right turn to 10000 via heading 190° and BPIR-040 to BPI VOR/DME before proceeding on course. Rwy 29, climbing left turn to 10000 via heading 230° and BPI R-020 to BPI VOR/DME before proceeding on course or for climb in visual conditions: cross Pinedale/Ralph Wenz Field at or above 11800 before proceeding on course.

PLENTYWOOD, MT

SHER-WOOD

NOTE: Rwy 12, multiple bushes beginning 47' from departure end of runway, 71' left of centerline, up to 12' AGL/2251' MSL. Multiple bushes beginning 362' from departure end of runway, 514' right of centerline, up to 12' AGL/2251' MSL. Rwy 30, multiple bushes and road beginning 68' from departure end of runway, 75' right of centerline, up to 12' AGL/2303' MSL. Multiple bushes beginning 217' from departure end of runway, 60' left of centerline, up to 12' AGL/2296' MSL.

POCATELLO, ID

POCATELLO RGNL (PIH)

AMDT 7 09351 (FAA)

DEPARTURE PROCEDURE: use KNURL ONE DEPARTURE.

POLSON, MT

POLSON

TAKE-OFF MINIMUMS: Rwv 18. N/A-extremely precipitous terrain. Rwy 36, standard with a min. climb of 270' per NM to 8400'.

DEPARTURE PROCEDURE: Rwv 36, Use ANGIL RNAV DEPARTURE

NOTES: Rwy 36, Road 509' from departure end of runway, 2955' MSL. Trees 2.39 NM from departure end of runway, 3383' left of centerline, 100' AGL/3179 MSL. Rapidly rising precipitous terrain left and right of centerline running along southern Flathead River ridges.

POPLAR, MT

POPLAR MUNI (PO1)

ORIG 10266 (FAA)

NOTE: Rwy 9, trees beginning 418' from DER, 502' left of centerline, up to 40' AGL/2079' MSL. Trees beginning 1421' from DER, 272' right of centerline, up to 40' AGL/2079' MSL.

PORT ANGELES, WA

PORT ANGELES CGAS

DEPARTURE PROCEDURE: Copter departure, climb from landing area direct to EDIZ HOOK NDB. Continue climb in holding pattern (NE, right turns, 237° inbound) to MEA for direction of flight.

WILLIAM R FAIRCHILD INTL

DEPARTURE PROCEDURE: Rwvs 8.13.26.31. use WATTR FIVE DEPARTURE.

$\overline{f V}$ take-off minimums and (obstacle) departure procedures $\overline{f V}$

PORTLAND, OR

PORTLAND INTL (PDX) AMDT 7 10266 (FAA)

TAKE-OFF MINIMUMS: Rwy 3,500-3 or std. w/ min. climb of 355' per NM to 700. Rwy 10L, std. w/min. climb of 280' per NM to 2900. Rwy 10R, std. w/min. climb of 265' per NM to 2900. Rwy 21, std. w/min. climb of 290'

DEPARTURE PROCEDURE: Rwy 3, climb heading 025° to 700, then climbing left turn direct BTG VORTAC, thence ... Rwys 10L,10R, climb heading 099° to 500, then climbing left turn direct BTG VORTAC, thence ...

Rwy 21, climb heading 205° to 500, then climbing right turn direct BTG VORTAC, thence ... Rwys 28L,28R, climb heading 279° to 500, then climbing right turn direct BTG VORTAC, thence...

... continue climb in BTG VORTAC holding pattern (hold NW, right turns, 149° inbound) to cross BTG VORTAC at or above MCA/MEA before proceeding on course. NOTE: Rwy 3, trees, towers, vehicles on road, sign,

beginning 1'from DER, on centerline, up to 173'AGL/ 463' MSL. Trees, vehicles on road, electrical system, building, beginning 1675' from DER, on centerline, up to 113' AGL/413' MSL. Rwy 10L, vehicles on road beginning at DER, 376' left of centerline, up to 15' AGL/ 78' MSL. Trees beginning 1201' from DER, 753' right of centerline, up to 75' AGL/95' MSL. Rwy 10R, pole 1996' from DER, 759' right of centerline, 54' AGL/74' MSL. Rwy 21, trees, poles, obstruction light on DME beginning 354' from DER, 1' left of centerline, up to 100'

AGL/328' MSL. Trees, poles, beginning 1098' from DER, 42' right of centerline, up to 100' AGL/329' MSL. Rwv 28L, trees 1873' from DER, 837' left of centerline.

up to 75' AGL/95' MSL. Rwy 28R, building, antennas, vehicles on road, beginning 130' from DER, 257' right of centerline, up to 27' AGL/58' MSL.

PORTLAND-HILLSBORO (HIO) AMDT 6 10154 (FAA)

TAKE-OFF MINIMUMS: Rwy 2, std. w/ min. climb of 215' per NM to 1900 or 1200-3 for climb in visual conditions. Rwy 30, std. w/min. climb of 235' per NM to 2700 or 1200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 12, climbing right turn direct UBG VOR/DME... Rwy 20, climbing left turn direct UBG VOR/DME... Rwys 2, 30, climbing left turn direct UBG VOR/DME, or for climb in visual conditions cross Portland-Hillsboro airport at or above 1600 then proceed direct UBG VOR/DME...

...all aircraft climb in UBG VOR/DME holding pattern (West, right turns, 108° inbound) to cross UBG VOR/ DME at or above MEA/MCA for direction of flight before proceeding on course.

NOTE: Rwy 2, vehicle on road 247' from DER, 1' right of centerline, up to 15' AGL/220' MSL. Terrain left and right of centerline beginning at DER up to 302' MSL. Rwy 12, terrain left and right of centerline beginning at DER up to 296' MSL. Trees 1836' from DER, 8' left of centerline, up to 125' AGL/331' MSL. Rwy 20, terrain left and right of centerline beginning at DER up to 306' MSL. Trees and hangers beginning 60' from DER, 32' left of centerline, up to 93' AGL/311' MSL. Trees, antennas and buildings beginning 564' from DER, 411' right of centerline, up to 74' AGL/280' MSL. Rwy 30, terrain left and right of centerline beginning at DER up to 292' MSL. Trees beginning 1664' from DER, 626' right of centerline, up to 194' AGL/363' MSL.

PORTLAND, OR (CON'T)

PORTLAND-TROUTDALE

TAKE-OFF MINIMUMS: Rwy 7, 3600-2 or std. with a min. climb of 380' per NM to 4100. Rwy 25, 900-2 or std. with a min. climb of 360' per NM to 1000.

DEPARTURE PROCEDURE: Rwy 7, turn left. Rwy 25, turn right. All aircraft climb via BTG R-125 direct BTG VORTAC, Continue climb on BTG R-329 within 10 NM to cross BTG VORTAC at or above: BTG R-355 CW R-055 or R-085 CW R-115 5000; all others

POWELL, WY

POWELL MUNI (POY) AMDT 1A 10238 (FAA)

TAKE-OFF MINIMUMS: Rwvs 3.16.21.34. NA. DEPARTURE PROCEDURE: Rwy 13, turn right. Rwy 31, turn left. All aircraft climb direct COD VOR/DME. Aircraft departing COD R-350 CW R-170 climb on course. All others continue climb in COD VOR/DME holding pattern (N, left turns, 189° inbound) to cross COD VOR/DME at or above 9400.

NOTE: Rwy 13, terrain beginning 564' from DER, 362' right of centerline, up to 5122' MSL, Windsock 12' from DER, 287' right of centerline, up to 13' AGL/5104' MSL. Road 414' from DER, 53' right of centerline, up to 15' AGL/5113' MSL. Rwy 31, windsock 5' from DER, 298' right of centerline, up to 8' AGL/5002' MSL.

PRINEVILLE, OR

PRINEVILLE (S39)

AMDT 1 08213 (FAA)

TAKE-OFF MINIMUMS: Rwy 10, std. w/min. climb of 350 feet per NM to 6500, or 2400-3 for climb in visual conditions. Rwy 15, std. w/min. climb of 470' per NM to 6200, or 2400-3 for climb in visual conditions. Rwy 28, std. w/min. climb of 450' per NM to 6700, or 2400-3 for climb in visual conditions. Rwy 33, std. w/min. climb of 380' per NM to 6700, or 2400-3 for climb in visual

DEPARTURE PROCEDURE: Rwy 10, climb heading 102° to 6500 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. Rwy 15, climb heading 154° to 6200 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. Rwy 28, climb heading 282° to 6700 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course. Rwy 33, climb heading 334° to 6700 before proceeding on course or for climb in visual conditions cross Prineville Muni airport at or above 5600 before proceeding on course.

NOTE: Rwy 10, trees beginning 2693' from departure end of runway, 545' right of centerline, up to 100' AGL/3339' MSL. Rwy 15, trees beginning 1129' from departure end of runway, 697' right of centerline, up to 100' AGL/3319' MSL. Rwy 28, trees beginning 1803' from departure end of runway, 74' right of centerline, up to 100' AGL/3319' MSL. Rwy 33, trees beginning 2636' from departure end of runway, 379' right of centerline, up to 100' AGL/3319'

10266

10266

PULLMAN-MOSCOW, WA

PULLMAN-MOSCOW RGNL

TAKE-OFF MINIMUMS: Rwy 5, 300-11/4 with a min. climb of 278' per NM to 4400, or 4600-3 for climb in visual conditions. Rwy 23, 300-1 or std. with a min. climb of 361' per NM to 4700.

DEPARTURE PROCEDURE: Rwy 5, climbing left turn direct PUW VOR/DME, cross PUW VOR/DME at or above 4700, continue climb in PUW VOR/DME holding pattern (SW, left turn, 032° inbound) to cross PUW VOR/DME at or above MEA for direction of flight, or for climb in visual conditions; cross Pullman-Moscow Rgnl at or above 4500. Rwy 23, climbing left turn via PUW VOR/DME R-021, cross PUW VOR/DME at or above 4700, continue climb in PUW VOR/DME holding pattern (SW, left turn, 032° inbound) to cross PUW VOR/DME at or above MEA for direction of flight.

NOTE: Rwy 5, multiple trees and terrain left and right of centerline, beginning 614' from departure end of runway, 424' right of centerline up to 50' AGL/2677' MSL. Terrain 3503' from departure end of runway, 770' left of centerline, 50' AGL/2608' MSL. Rwy 23, multiple trees, terrain, fences, poles, and tanks beginning 669' from departure end of runway, 412' right of centerline, up to

PUYALLUP, WA

52'AGL/2769'MSL.

PIERCE COUNTY-THUN FIELD (PLU) AMDT 1A 09071 (FAA)

TAKE-OFF MINIMUMS: Rwy 16, 34, 300-1.

DEPARTURE PROCEDURE: Rwy 16, climbing right turn. Rwy 34, climb runway heading. All aircraft climb via SEA R-158 to COTNY INT/SEA 18.1 DME. Continue in COTNY holding pattern (Hold S, left turns, 338° inbound) to depart COTNY at or above: 001° CW 090° 3500, 090° 3500, 091° CW 120° 10,400, 121° CW 170° 2700, 171° CW 360° 1500.

NOTE: Rwy 16, light pole 511' from DER, 567' right of centerline, 40' AGL/552' MSL. Multiple poles on building beginning 187' from DER, 416' left of centerline, up to 575' MSL. Multiple trees beginning 363' from DER, 656' left of centerline to 540' right of centerline, up to 662' MSL. Vehicles on road beginning 1149' from DER, 512' right of centerline, up to 15' AGL/582' MSL. Terrain beginning 1293' from DER, 529' left of centerline to 352' right of centerline, up to 15' MSL. Pipe 1520' from DER, 303' left of centerline, 574' MSL. Pipe 1520' from DER, 303' left of centerline, 574' MSL. Ruy 34, multiple trees beginning 58' from DER, 591' left of centerline to 1029' right of centerline, up to 694' MSL. Flagpole 1155' from DER, 464' left of centerline, 555' MSL. Building 564' from DER, 410' left of centerline, 555' MSL.

RAWLINS, WY

RAWLINS MUNI/HARVEY FIELD

TAKE-OFF MINIMUMS: Rwy 4, 600-2 or std. with a min. climb of 440' per NM to 7500. Rwy 22, 1500-2 or std. with a min climb of 365' per NM to 8700. Rwys 10, 28, NA.

DEPARTURE PROCEDURE: **Rwy 4**, turn right. **Rwy 22**, turn left. Climb to 10000 via RWL R-200 and CKW R-080 to CKW VOR/DME then via assigned route. Aircraft departing eastbound V4 or V6 climb via RWL R-200 to assigned route then climb on course.

REDMOND, OR

ROBERTS FIELD (RDM) AMDT 5 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 22**, std. w/min. climb of 269' per NM to 4700. **Rwy 28**, std. w/min. climb of 276' per NM to 4800.

DEPARTURE PROCEDURE: Rwy 4, climbing left turn via heading 265° and DSD R-047 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. Rwy 10, climbing right turn via heading 240° and DSD R-090 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. Rwy 22, climb heading 222° and DSD R-090 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course. Rwy 28, climbing left turn via heading 275° and DSD R-045 to DSD VORTAC, climb in DSD VORTAC holding pattern (hold North, right turn, 168° inbound) to cross DSD VORTAC at or above MEA for route of flight before proceeding on course.

NOTE: **Rwy 28**, numerous trees beginning 1'from DER, 356' right of centerline, 12' AGL/3079' MSL. Tree 364' from DER, 448' left of centerline, 15' AGL/3054' MSL.

RENTON, WA

RENTON MUNI (RNT)

AMDT 7 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. with a min. climb of 405' per NM to 800, or 1100-2½ for climb in visual conditions. **Rwy 34**,500-2¾ or std. with a min. climb of 315' per NM to 700.

NOTES: Rwy 16, trees, towers, lights and blast shield beginning 185' from DER, 4'left of centerline, up to 100' AGL/574' MSL. Trees, lights and sign beginning 40' from DER, 54' right of centerline, up to 100' AGL/297' MSL. Rwy 34, Trees and terrain beginning 1.6 NM from DER, 104' left of centerline, up to 100' AGL/485' MSL. Trees, terrain and wood piling beginning 75' from DER, 7' right of centerline, up to 100' AGL/426' MSL.

REXBURG, ID

REXBURG-MADISON COUNTY

DEPARTURE PROCEDURE: **Rwy 17**, climbing right turn. **Rwy 35**, climbing left turn. **All aircraft** climb via IDA VOR/DME R-015 to RIGBY Int to MEA for route of flight before proceeding on course.

NOTE: Rwy17,100'AGL trees 125' from departure end of runway, 350' left of centerline. Rwy35, 100' AGL trees 350' from departure end of runway, 450' right of centerline. 100' AGL trees 750' from departure end of runway, 500' left of centerline.

10266

10266

RICHLAND, WA

RICHLAND (RLD)

AMDT 8 10154 (FAA)

TAKE-OFF MINIMUMS: Rwys 1, 8, std. w/min. climb of 310' per NM to 5000. Rwy 19, std. w/min. climb of 480' per NM to 5000. Rwy 26, std. w/min. climb of 350' per NM to 5000

DEPARTURE PROCEDURE: Rwys 1,8, climbing left turn heading 220° and PSC R-269 to 6000 to PAPPS INT/PSC 32.72 DME before proceeding on course. Rwy 19, climbing right turn heading 310° and PSC R-269 to 6000 to PAPPS INT/PSC 32.72 DME before proceeding on course. Rwy 26, climb heading 310° and PSC R-269 to 6000 to PAPPS INT/PSC 32.72 DME before proceeding on course.

NOTE: Rwy 1, crane 4957' from DER, 1271' right of centerline, up to 120' AGL/520' MSL. Poles beginning 752' from DER, 446' right of centerline, up to 20' AGL/ 416' MSL. Trees beginning 43' from DER, 102' left of centerline, up to 25' AGL/424' MSL. Multiple trees 184' from DER, 162' right of centerline, up to 25' AGL/424' MSL. Rwy 8, railroad beginning 181' from DER, left to right of centerline, up to 23' AGL/412' MSL. Sign 23' from DER, 122' right of centerline, up to 4' AGL/391' MSL. Trees beginning 1142' from DER, 12' right of centerline, up to 25' AGL/454' MSL. Trees beginning 2240' from DER, 94' left of centerline, up to 25' AGL/456' MSL. Rwy 19, bushes beginning 22' from DER, 297' left of centerline, up to 7' AGL/401' MSL. Trees beginning 323' from DER, 478' right of centerline, up to 25' AGL/ 424' MSL. Trees beginning 665' from DER, 399' left of centerline, up to 25' AGL/472' MSL. Rwy 26, antenna 310' from DER, 444' right of centerline, up to 7' AGL/ 408' MSL. Fence 458' from DER, 360' left of centerline, up to 25' AGL/425' MSL. Fence 456' from DER, 408' right of centerline, up to 25' AGL/410' MSL. Post 398' from DER, 255' right of centerline, up to 9' AGL/409' MSL. Bush 755' from DER, 257' right of centerline, up to 17' AGL/417' MSL. Ground 480' from DER, 488' right of centerline, up to 421' MSL. Trees beginning 174' from DER, 231' right of centerline, up to 25' AGL/425' MSL. Trees beginning 184' from DER, 210' left of centerline, up to 25' AGL/457' MSL.

RIVERTON, WY

21 OCT 2010 to 18 NOV 2010

RIVERTON RGNL (RIW) AMDT 1 10042 (FAA)

DEPARTURE PROCEDURE: Rwys 1, 10, 19, 28, climbing right turn direct RIW VOR/DME. All Aircraft climb in RIW holding pattern (hold East, right turns, 287° inbound) to MEA for direction of flight.

NOTES: Rwy 1, sage brush beginning 35' from DER, left and right of centerline, up to 3' AGL/5499' MSL. Rwy 10 , sage brush beginning 20' from DER, left and right of centerline, up to 3' AGL/5466' MSL. Rwy 19, sage brush beginning 49' from DER, 171' right of centerline, up to 3' AGL/5479' MSL. Windstocks beginning 154' from DER, 268' right of centerline, up to 28' AGL/5468' MSL. Rwy 28, sage brush, tower, and pole beginning 54' from DER, 154' right of centerline, up to 59' AGL/ 5679' MSL. Sage brush, fence, and poles beginning 132' from DER, 27' left of centerline, up to 67' AGL/5647' MSL.

ROCK SPRINGS, WY

ROCK SPRINGS-SWEETWATER COUNTY (RKS) AMDT 6 10098 (FAA)

DEPARTURE PROCEDURE: Rwy3, climb heading 032° to 8000 then climbing left turn direct OCS VOR/DME, continue climb in OCS VOR/DME holding pattern (hold East, right turns, 260° inbound) to cross OCS VOR/DME at or above MEA for route of flight. Rwy 9, climb heading 090° to 8200 then climbing left turn direct OCS VOR/DME, continue climb in OCS VOR/DME holding pattern (hold East, right turns, 260° inbound) to cross OCS VOR/DME at or above MEA for route of flight. Rwy 21, climb heading 212° to 8400, then climbing right turn direct OCS VOR/DME, continue climb in OCS VOR/DME holding pattern (hold East, right turns, 260° inbound) to cross OCS VOR/DME at or above MEA for route of flight. Rwy 27, climb heading 270° to 7900, then climibing right turn via OCS R-291 to OCS VOR/DME, continue climb in OCS VOR/DME holding pattern (hold East, right turns, 260° inbound) to cross OCS VOR/DME at or above MEA for route of flight.

NOTE: Rwy 3, vehicle on road beginning 22' from DER, 120' left of centerline, up to 20' AGL/6760' MSL, bushes beginning 178' from DER, 517' right of centerline, up to 15' AGL/6755' MSL. Rwy 21, bush 53' from DER, 221' left of centerline, 15' AGL/6737' MSL.

RONAN, MT

RONAN (7S0)

ORIG 09295 (FAA)

TAKE-OFF MINIMUMS: Rwy 16, std. w/min. climb of 260' per NM to 9900 or 6100-3 for climb in visual conditions. Rwy 34, std. w/min. climb of 250' per NM to 9900 or 6100-3 in visual conditions.

DEPARTURE PROCEDURE: Rwy 16, climb to 8800 on a heading between 177° CW to 336° from DER or for climb in visual conditions, cross Ronan airport at or above 9000 before proceeding on course. Rwy 34, climb to 8800 on a heading between 336° CCW to 177° from DER or for climb in visual conditions, cross Ronan airport at or above 9000 before proceeding on course.

NOTE: Rwy 16, tree 485' from DER, 386' left of centerline 50' AGL/3149' MSL, Rwy 34, building 158' from DER, 370' left of centerline 40' AGL/3130' MSL. Tree 1358' from DER, 556' left of centerline 50' AGL/3149' MSL.

ROSEBURG, OR

ROSEBURG RGNL (RBG)

AMDT 5A 08297 (FAA)

TAKE-OFF MINIMUMS: Rwy 16, std. with a min. climb of 642' per NM to 2000, or 1700-3 for climb in visual conditions. Rwy 34, std. with a min. climb of 760' per NM to 2000, or 1700-3 for climb in visual conditions. DEPARTURE PROCEDURE: Rwy 16, climb direct RBG VOR/DME, or climb in visual conditions to cross Roseburg Airport southbound at or above 2200, then direct RBG VOR/DME. Then via RBG R-157 and right turn direct RBG VOR/DME to cross at or above the MCA or MEA for route of flight. Rwv 34, climb via heading 342° to 4000, or climb in visual conditions to cross Roseburg Airport northbound at or above 2200 and then via heading 342° to 4000. Then climbing left turn direct RBG VOR/DME, to cross RBG VOR/DME at or above MCA or MEA for route of flight. Aircraft that have not reached the MCA or MEA for route of flight continue climb via RBG R-157 and right turn direct RBG

NOTE: Rwy 16, tower 1.56 NM from departure end of runway, 2231' right of centerline, 50' AGL/1201' MSL tree 1.47 NM from departure end of runway, 1560' right of centerline, 21' AGL/980' MSL, tree 1.46 NM from departure end of runway, 1298' right of runway centerline, 45' AGL/964' MSL, pole 1.36 NM from departure end of runway, 921' right of centerline, 75' AGL/914' MSL, rod on airway beacon 1.29 NM from departure end of runway, 409' right of centerline, 52' AGL/891'MSL, tree 655' from departure end of runway, 347' right of runway centerline, 93' AGL/593' MSL, obstruction light on pole 691' from departure end of runway, 187' right of runway centerline, 117' AGL/557' MSL. Rwy 34, tree 1.10 NM from departure end of runway, 2003' left of runway centerline, 60' AGL/1179 MSL. Tree 5165' from departure end of runway, 1744' left of centerline, 64' AGL/1023' MSL. Obstruction light on pole 4850' from departure end of runway, 56' left of centerline, 15' AGL/894' MSL. Tree 4785' from depature end of runway, 48' left of runway centerline, 23' AGL/862' MSL. Tree 1.41 NM from departure end of runway, 1826 left of runway centerline, 17' AGL/896' MSL. Tree 4079' from departure end of runway, 508' left of runway centerline, 21' AGL/780' MSL. Tree 5067' from departure end of runway, 265' right of centerline, 43' AGL/802' MSL. Tree 4260' from departure end of runway, 345' right of centerline, 42' AGL/761' MSL. Tree 1465' from departure end of runway 329' right of runway centerline, 100' AGL/642' MSL. Tree 913' from departure end of runway, 217' right of runway centerline, 100' AGL/622' MSL. Tree 647' from departure end of runway, 345' right of runway centerline, 100' AGL/615 MSL. Hill 1065' from departure end of runway, 299' right of runway centerline 608' MSL. Trees beginning 60' from departure end of runway, 117' left of runway centerline, up to 16' AGL/554' MSL. Trees beginning 242' from departure end of runway, 209' right of runway centerline, up to 56' AGL/584' MSL. Vehicle on road 265' from departure end of runway, 229' right of runway centerline, 15' AGL/560' MSL. Multiple signs beginning 792' from departure end of runway, 550' left of runway centerline, up to 60' AGL/565' MSL. Bush 94' from departure end of runway, 228' right of runway centerline, 19' AGL/547' MSL. Bush 202' from departure end of runway, 92' left of centerline, 7' AGL/535' MSL, Pole 640' from departure end of runway, 354' left of runway

SALEM, OR

MCNARY FIELD

TAKE-OFF MINIMUMS: Rwy 13, 600-2 or std. with a min. climb of 240' per NM to 800. Rwy 16, 600-2 or std. with a min. climb of 340' per NM to 800.

DEPARTURE PROCEDURE: Comply with SIDs or; Rwys 31, 34, turn right. Rwy 16, turn left. Rwy 13, climb heading 130°. All aircraft climb direct TURNO LOM/ Int. Continue climb in holding (SE, left turns, 310) inbound) to cross TURNO LOM/INT at or above MEA for route of flight.

SALMON, ID

LEMHI COUNTY

TAKE-OFF MINIMUMS: Rwy 17, NA. Rwy 35, 4300-5 or std. with a min. climb of 390' per NM to 8000 DEPARTURE PROCEDURE: Rwy 17, NA. Rwy 35, climb runway heading to 8000, then climbing left turn to 11,300 direct LKT VOR/DME before proceeding on course

SANDPOINT, ID

SANDPOINT

TAKE-OFF MINIMUMS: Rwy 1, 4200-2 or std. with a min. climb of 520' per NM to 5800. Rwy 19, 2200-2 or std. with a min. climb of 480' per NM to 4600. DEPARTURE PROCEDURE: Rwy 1, climbing right turn to COE VOR/DME via heading 200° and COE R-002. Rwy 19, climbing left turn to COE VOR/DME via heading 140° and COE R-002.

SARATOGA, WY

SHIVELY FIELD

TAKE-OFF MINIMUMS: Rwv 23, 400-1 or std. with a min. climb of 220' per NM to 7400.

DEPARTURE PROCEDURE: Rwy 5, turn left heading 280°. Rwy 23, turn right heading 340°. All aircraft climb to 9000 via 310° bearing from SAA NDB then continue climb on course.

SCAPPOOSE, OR

SCAPPOOSE INDUSTRIAL AIRPARK

DEPARTURE PROCEDURE: Rwv 15, climbing left turn direct BTG VORTAC. Rwy 33, climbing right turn direct BTG VORTAC. Aircraft departing BTG R-160 CW R-329 climbing left turn on course. All others climb in BTG VORTAC holding pattern (NW, right turns, 149° inbound) to cross BTG VORTAC at or above MEA/ MCA for direction of flight.

NOTE: Rwy 15, 158' MSL tree 470' from departure end of runway, 499' right of centerline. Rwy 33, cross departure end of runway 33 at or above 35' AGL/90' MSL. 130 MSL tree 613' from departure end of runway, 414' right of centerline; 142' MSL trees 1343' from departure end of runway, 348' right of centerline.

SCOBEY, MT

SCOBEY

TAKE-OFF MINIMUMS: Rwy 12, std. with a min. climb of 280' per NM to 3400.

10266

centerline, 29' AGL/557' MSL.

10266

SEATTLE, WA

BOEING FIELD/KING COUNTY INTL

TAKE-OFF MINIMUMS: Rwy 13L, 500-3 w/min. climb of 232' per NM to 800, or 1000-21/2 for climb in visual conditions. Rwy 13R, std. w/a min. climb of 476' per NM to 900, or 500-3 w/a min. climb of 386' per NM to 900, or 1000-21/2 for climb in visual conditions, Rwv 31L. std. w/a min. climb of 386' per NM to 800, or 300-11/2 w/ min. climb of 235' per NM to 800, or 1000-21/2 for climb in visual conditions. Rwy 31R, std. w/a min. climb of 334' per NM to 900, or 400-13/4 w/min. climb of 216' per NM to 900, or 1000-21/2 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwys 13L/R, climbing right turn. Rwys 31L/R, climbing left turn. All aircraft climb direct to SEA VORTAC, continue climb in SEA VORTAC holding pattern (hold east, left turns, 290° inbound) to cross SEA VORTAC at or above 3000. For climb in visual conditions cross Boeing Field/King County Intl Airport at or above 900, then climb to 3000 via SEAR-344 to SEA VORTAC, continue climb in SEA VORTAC holding pattern (hold east, left turns, 290° inbound) to cross SEA VORTAC at or above 3000.

NOTES: Rwy 13L, multiple trees, towers, antennas and building beginning 402' from departure end of runway, 411' left of centerline, up to 127' AGL/479' MSL

Rwy13R, multiple trees and poles beginning 35' from departure end of runway, 154' left of centerline, up to 66' AGL/485' MSL. Multiple trees and poles beginning 501' from departure end of runway, 3' right of centerline, up to 77' AGL/195' MSL. Rwy 31L, multiple trees, fence, and building beginning 250' from departure end of runway, 253' left of centerline, up to 71' AGL/101' MSL, Multiple trees and floodlights beginning 1245' from departure end of runway, 447' right of centerline, up to 71' AGL/239' MSL. Rwy31R, multiple trees, hangers, towers, poles and building beginning 12' from departure end of runway, 389' right of centerline, up to 103' AGL/350' MSL. Multiple obstruction lights beginning 214' from departure end of runway, 99' left of centerline, up to 71' AGL/101'MSL.

SEATTLE-TACOMA INTL (SEA) AMDT 4 08325 (FAA)

DEPARTURE PROCEDURE: Rwys16L,16C,16R, climb to 1000 via heading 163°, then climbing right turn direct SEA VORTAC, thence...

Rwvs 34L. 34C. 34R. climb to 1000 via heading 343°. then climbing left turn direct SEA VORTAC, thence... ...climb in SEA VORTAC holding pattern (hold SE, left turns, 310° inbound) to MEA/MCA for route of flight. NOTE: Rwy 16L, trees beginning 2908' from departure end of runway, 1064' right of centerline, up to 100' AGL/ 476' MSL. Rwy 16C, trees beginning 4477' from departure end of runway, 484' right of centerline, up to 100' AGL/507' MSL. Rwy 16R, trees, antenna on building and light pole beginning 488' from departure end of runway, 436' left of centelrine, up to 100' AGL/507' MSL. Trees beginning 1137' from departure end of runway, 587' right of centerline, up to 100' AGL/468' MSL. Rwy34L, fence 189' from departure end of runway, 401' right of centerline, up to 12' AGL/420' MSL. Trees beginning 4010' from departure end of runway, 857' left of centerline, up to 100' AGL/522' MSL.

SHELBY, MT

SHELBY

TAKE-OFF MINIMUMS: Rwy 5, 200-11/4 or std. w/min. climb of 212' per NM to 3700, or alternatively, w/std. takeoff minimums and a normal 200 / NM climb gradient, takeoff must occur no later than 1300' prior to departure end of runway.

NOTE: Rwy 5, fence post 320' from departure end of runway, 162' right of centerline, 12' AGL/3455' MSL, truck on road beginning 515' from departure end of runway, 632' right of centerline, 17' AGL/3498' MSL, tree 1 NM from departure end of runway, 1242' left of centerline, 75' AGL/3604' MSL. Rwy 11, truck on road 906' from departure end of runway, 691' left of centerline, 17' AGL/ 3456' MSL, tree 1697' from departure end of runway, 26' right of centerline, 75' AGL/3495' MSL, tree 1561' from departure end of runway, 322' left of centerline, 75' AGL/ 3514' MSL, light standard 852' from departure end of runway, 174' left of centerline, 22' AGL/3451' MSL.

SHELTON, WA

SANDERSON FIELD

TAKE-OFF MINIMUMS: Rwy 5, std. w/ a min. climb of 312' per NM to 4000, or 1500-21/2 for a climb in visual conditions. Rwy 23, std. w/a min. climb of 414' per NM to 4000, or 1500-21/2 for a climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 5, climbing right turn to intercept SEAR-230 to CARRO intersection. Or for climb in visual conditions: Cross Sanderson Field northeast bound at or above 1600, thence via SEAR-230 to cross CARRO intersection at or above 4000. Rwy 23, climbing left turn to intercept SEA R-230 to CARRO intersection. Or for climb in visual conditions: Cross Sanderson Field northeast bound at or above 1600. thence via SEA R-230 to cross CARRO intersection at or above 4000.

NOTE: Rwy 5, multiple trees beginning 550' from departure end of runway, 107' left of centerline, up to 94' AGL/366' MSL. Multiple trees beginning 130' from departure end of runway, 70' right of centerline, up to 80' AGL/352' MSL. Rwy 23, multiple trees beginning 52' from departure end of runway, 149'left of centerline, up to 72' AGL/330' MSL. Multiple trees beginning 886' from departure end of runway, 153' right of centerline, up to 155' AGL/486' MSL.



TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

SHERIDAN, WY

SHERIDAN COUNTY

TAKE-OFF MINIMUMS: Rwy 5, 700-3 or std. w/min. climb of 318' per NM to 5100, or. . . Rwy 14, 800-3 or std. w/min. climb of 263' per NM to 5100, or. . . Rwy 23, 900-3 or std. w/ min. climb of 348' per NM to 5100, or.1400/3 for climb in visual conditions. Climb in visual

conditions NA at night. DEPARTURE PROCEDURE: Rwy 5, climbing left turn via SHR R-106 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence... Rwy 14, climbing left turn via heading 320° and SHR R-106 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence... Rwy 23, climbing right turn via SHR R-153 to SHR VORTAC, or climb in visual conditions to cross Sheridan County Airport northwestbound at or above 5300, then via SHR R-126 to SHR VORTAC, thence. . . Rwy 32, climb via heading 320° and SHR R-106 to SHR VORTAC, thence...

inbound) to cross SHR VORTAC at or above airway MEA for route of flight. NOTE: Rwy 5, multiple trees beginning 101' from departure end of runway, 188' left of centerline, up to 80' AGL/3991'MSL. Rwy 23, fence 1201'from departure end of runway, 10' left of centerline, 20' AGL/4060' MSL.

...climb in holding pattern (hold northwest, left turn, 133°

Building 1949' from departure end of runway, 415' left of centerline, 17' AGL/4077' MSL. Tree 3337' from departure end of runway, 391' right of centerline, 43' AGL/4143' MSL. Rwy 32, antenna 53' from departure end of runway, 398' right of centerline, 20' AGL/4020'

SIDNEY, MT

21 OCT 2010 to 18 NOV 2010

SIDNEY-RICHLAND MUNI (SDY) AMDT 4 10210 (FAA)

TAKE-OFF MINIMUMS: Rwy 29, 400-21/2 or std. with a min. climb of 315' per NM to 2500.

NOTE: Rwy 1, trees beginning 86' from DER, left and right of centerline, up to 30' AGL/2072' MSL. Rwy 19, trees beginning 245' from DER, 302' right of centerline, up to 30' AGL/2029' MSL. Roads, 5' from DER, 298 right of centerline, up to 20' AGL/2003' MSL. Pole, 21' from DER, 298' right of centerline, up to 10' AGL/1992' MSL. Rwy 29, terrain left and right of centerline beginning 962' from DER, up to 2123' MSL. Poles beginning 778' from DER, left and right of centerline, up to 39' AGL/2181' MSL. Trees beginning 596' from DER, 165' right of centerline, up to 30' AGL/2026' MSL. Derrick 1452' from DER, 207' left of centerline, up to 47' AGL/2028' MSL. Road 504' from DER, 15' right of centerline, up to 17' AGL/1998' MSL.

SNOHOMISH. WA

HARVEY FIELD (\$43)

ORIG 09127 (FAA)

TAKE-OFF MINIMUMS: Rwvs 15R. 33L, NA-obstacles. Rwy 15L, std. w/min. climb of 353' per NM to 1100, or 1200-21/2 for climb in visual conditions. Rwy 33R, std. w/ min. climb of 475' per NM to 800, or 1200-21/2 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 15L, climbing right turn on 344° course to WATON LOM, or for climb in visual conditions, cross Harvey Field at or above 1100 then proceed on 329° course to WATON LOM, thence ... Rwy 33R, climb on 329° course to WATON LOM, or for climb in visual conditions, cross Harvey Field at or above 1100 then proceed on 329° course to WATON LOM, thence...

... aircraft departing WATON LOM on bearings 150° CW 340° from WATON LOM climb on course. Aircraft departing WATON LOM on bearings 340° CW 150° from WATON LOM, climb in holding pattern (South, left turns, 339° inbound) to cross WATON LOM at or above 4500 before proceeding on course.

NOTE: Rwy 15L, tree 81' from DER, 177' right of centerline, 40' AGL/106'MSL. Trees 685' from DER, left and right of centerline, up to 48' AGL/70' MSL. Rwy 33R, powerline 139' from DER, 226' left of centerline, 40' AGL/ 56' MSL. Tree 298' from DER, 205' right of centerline, 104' AGL/121' MSL. Tower 5708' from DER, 1956' right of centerline, 206' AGL/300' MSL.



TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



SPOKANE, WA

FELTS FIELD (SFF)

AMDT 5 10098 (FAA)

TAKE-OFF MINIMUMS: Rwy 3L, std. w/ min. climb of 450' per NM to 3600, or 2300-3 for climb in visual conditions. Rwy 3R, std. w/min. climb of 410' per NM to 3700, or 2300-3 for climb in visual conditions. Rwy 21L, std. w/min. climb of 375' per NM to 3200, or 2300-3 for climb in visual conditions. Rwy 21R, std. w/min climb of 375' per NM to 3200, or 2300-3 for climb in visual

DEPARTURE PROCEDURE: Rwys 3L, 3R, climb heading 035° to 3600, then climbing right turn heading 210° and GEG R-050 to GEG VORTAC, or for climb in visual conditions: cross Felts Field Airport at or above 4100, then via heading 165° and GEG R-050 to GEG VORTAC. Cross GEG VORTAC at or above MCA/ MEA for route of flight. Rwys 21L, 21R, climb heading 215° to 3200, then climbing left turn heading 190° and GEG R-050 to GEG VORTAC, or for climb in visual conditions: cross Felts Field Airport at or above 4100, then via heading 165° and GEGR-050 to GEG VORTAC. Cross GEG VORTAC at or above the MCA/ MEA for route of flight.

NOTE: Rwy 3L, trees beginning 1853' from DER, 772' right of centerline, up to 100' AGL/2037' MSL. Trees beginning 3538' from DER, 529' left of centerline, up to 100' AGL/2339' MSL. Antenna, trees and transmission poles beginning 1.5 NM from DER, 16' left of centerline, up to 100' AGL/2579' MSL. Trees beginning 2.3 NM from DER, 723' right of centerline, up to 100' AGL/2499' MSL. Rwy 3R, hangar, NDB, and trees beginning 92' from DER, 269' right of centerline, up to 100' AGL/2040' MSL. Trees beginning 4685' from DER, 1033' left of centerline, up to 100' AGL/2339 MSL. Antenna, trees and transmission poles beginning 1.6 NM from DER, 525' left of centerline, up to 100' AGL/2559' MSL. Trees and transmission poles beginning 2.6 NM from DER, 214' right of centerline, up to 150' AGL/2570' MSL. Rwy 21L, elevator, pole on building and trees beginning 315' from DER, 302' left of centerline, up to 140' AGL/2080' MSL. Rwy 21R, poles and trees beginning 188' from DER, 13' right of centerline, up to 100' AGL/1982' MSL. Elevator, pole, hangar, and building beginning 203' from DER, 1' left of centerline, up to 140' AGL/2080' MSL. Terrain and trees beginning 3.1 NM from DER, 4904' left of centerline, up to 100' AGL/2559' MSL.

SPOKANE INTL (GEG) AMDT 6 10266 (FAA)

DEPARTURE PROCEDURE: Rwv 3. climbing left turn heading 190° and GEG R-010 to GEG VORTAC Thence...Rwy7, climbing right turn heading 255° and GEG R-075 to GEG VORTAC, thence... Rwy 21, climbing right turn heading 208° and GEG R-028 to GEG VORTAC. Thence...Rwy 25, climbing left turn heading 176° and GEG R-356 to GEG VORTAC.

...climb in GEG VORTAC holding pattern (hold Southwest, right turns, 028° inbound) to cross GEG VORTAC at or above MEA for route of flight.

NOTE: Rwy 3, multiple trees beginning 1089' from DER, 666' left of centerline, up to 100' AGL/2370' MSL. Tree 1524' from DER, 851' right of centerline, 100' AGL/2374'MSL.

STEVENSVILLE, MT

STEVENSVILLE

TAKE-OFF MINIMUMS: Rwy 12, do not exceed 210 knots until established on MSO R-163. Rwy 30, do not exceed 210 knots until established on MSO R-160.

DEPARTURE PROCEDURE: Rwy 12, climbing right turn via heading 335 and MSO R-163 to MSO VOR/DME climb in MSO VOR/DME holding pattern (southeast, right turn, 340° inbound) to 13000' before proceeding on course. Rwy 30, climbing right turn via heading 025° and MSO R-160 to MSO VOR/DME Climb in MSO VOR/DME holding pattern (southeast, right turn, 340° inbound) to 13000' before proceeding on

SUNRIVER, OR

SUNRIVER

TAKE-OFF MINIMUMS: Rwy 18, 300-1 or std. with a min. climb of 360' per NM to 4400. Rwy 36, 600-2 or std. with a min. climb of 240' per NM to 4900.

DEPARTURE PROCEDURE: Rwy 18, climb runway heading to 7000 then climbing left turn direct DSD VORTAC. Rwy 36, climb direct to DSD VORTAC. Then all aircraft climb on course.

TACOMA, WA

TACOMA NARROWS

TAKE-OFF MINIMUMS: Rwy 35, 400-1 or std. with a min. climb of 210' per NM to 400'.

DEPARTURE PROCEDURE: Rwy 17, turn right, climb via heading 230° to intercept OLM R-009 then direct OLM VORTAC. Rwy 35, turn left, climb via heading 270° to intercept SEA R-230 then direct CARRO INT. Continue climb in holding (SW, right turns, 047° inbound) to MEA or assigned altitude for route of flight.

THE DALLES, OR

COLUMBIA GORGE RGNL/THE DALLES MUNI (DLS)

AMDT 2A 10182 (FAA)

TAKE-OFF MINIMUMS: Rwv 7, 900-3 or std. with a min. climb of 330' per NM to 1200. Rwy 12, 1400-3 or std. with a min. climb of 500' per NM to 2000. Rwy 25, NA. Rwy 30, 2900-3 or std. with a min. climb of 500' per NM to 2700.

DEPARTURE PROCEDURE: Rwy 7, climbing right turn heading 120°. Rwy 12, climb via runway heading. Rwy 30, climbing left turn heading 120°. All aircraft intercept and climb southbound via LTJ R-165 to 3500. Then climbing left turn direct LTJ VORTAC. Continue climb in LTJ holding pattern (E, right turns, 260° inbound) to cross LTJ VORTAC at or above MCA or MEA for route of flight.

TILLAMOOK, OR

TILLAMOOK

TAKE-OFF MINIMUMS: Rwys 1, 13, 19, NA. Rwy 31, 2000-3 or std. with a min. climb of 350' per NM to 4500. DEPARTURE PROCEDURE: Rwys 1, 13, 19, NA. Rwy 31, use FETUJ RNAV DEPARTURE.

10266

21 OCT 2010 to 18 NOV 2010



10266

TORRINGTON, WY

TORRINGTON MUNI (TOR)

ORIG 10042 (FAA)

NOTE: Rwy 2, terrain 30' from DER, 277' left of centerline, 4197' MSL. Rwy 10, multiple trees and fence beginning 71' from DER, 143' right of centerline, up to 14' AGL/4214' MSL. Terrain 14' from DER, 502' left of centerline, 4199' MSL. Rwy 28, terrain 133' from DER, 386' right of centerline, 4213' MSL.

TWIN FALLS, ID

JOSLIN FIELD-MAGIC VALLEY RGNL

TAKE-OFF MINIMUMS: Rwv 12. NA. DEPARTURE PROCEDURE: Aircraft departing on TWF R-240 CW R-080 climb on course. All others climb runway heading 6000 then climbing turn direct TWF VORTAC. Climb in holding pattern (NW, right turns, 113° inbound) to MCA or MEA as appropriate for direction of flight.

VANCOUVER, WA

PEARSON FIELD (VUO)

AMDT 2 07354 (FAA)

VORTAC. thence...

TAKE-OFF MINIMUMS: Rwy 8, std. w/min. climb of 358' per NM to 600, or 500-3 w/min. climb of 201' per NM to 600, or 900-21/2 for climb in visual conditions. Rwy 26, 600-3 or 900-21/2 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 8, climb heading 079° to 500 then climbing left turn direct BTG VORTAC, thence...or for climb in visual conditions: cross Pearson Field at or above 800 MSL then proceed

on BTG VORTAC R-179 to BTG VORTAC, thence. .Rwy 26, climb heading 259° to 700 then climbing right turn direct BTG VORTAC, thence... or for climb in visual conditions: cross Pearson Field at or above 800 MSL then proceed on BTG VORTAC R-179 to BTG

...continue climb in BTG VORTAC holding pattern (hold northwest, right turn, 149° inbound) to cross BTG VORTAC at or above MEA/MCA for route of flight.

NOTE: Rwv 8, tree 1.4 NM from departure end of runway, 1283' left of centerline, 100' AGL/395' MSL Tree 1.7 NM from departure end of runway, 701' left of centerline, 100' AGL/401' MSL, Tree 2 NM from departure end of runway, 849' left of centerline, 100' AGL/406' MSL. Tree 2.4 NM from departure end of runway, 648' left of centerline, 100' AGL/399' MSL. Rwy 26, bridge 2704' from departure end of runway, 587' left of centerline, 243' AGL/245' MSL. Crane 1.5 NM from departure end of runway, 2563' right of centerline, 237' AGL/267' MSL. Transmission line tower 2.5 NM from departure end of runway, 2036' right of centerline, 516' AGL/534' MSL.

WALLA WALLA, WA

WALLA WALLA RGNL

DEPARTURE PROCEDURE: Rwys 2,7,20,25,34, turn left. Rwy 16, turn right. All aircraft climb to 2500 via ALW VOR/DME R-195, then climbing right turn direct ALW VOR/DME to cross ALW VOR/DME at or above MEA or MCA for route of flight.

NOTE: Rwy 16, antenna 365' from departure end of runway, 97' right of centerline, 1155' MSL. Terrain 1' from departure end of runway 140' left of centerline, 1145' MSL. Rwy 20, light 666' from departure end of runway, 640' left of centerline, 1170' MSL, Rwy 34. terrain 213' from departure end of runway, 230' right of centerline, 1130' MSL.

WEISER, ID

WEISER MUNI (S87)

ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: Rwy 12, std. w/min. climb of 310' per NM to 3900 or 2400-3 for climb in visual conditions. Rwy 30, std. w/min. climb of 360' per NM to 4000 or 2400-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 12, climb heading 121° to 3900 before proceeding on course. Rwy 30, climb heading 301° to 4000 before proceeding on course

...for climb in visual conditions: cross Weiser Muni airport at or above 4400 before proceeding on course. NOTE: Rwy 12, tree 248' from departure end of runway, 443' right of centerline, 100' AGL/2184' MSL. Rwy 30, tree 1907' from departure end of runway, 769' right of centerline, 100' AGL/2174' MSL.

WENATCHEE, WA

PANGBORN MEMORIAL

TAKE-OFF MINIMUMS: Rwy7, NA. Rwy12, 1500-2 or std. with a min. climb of 510' per NM to 2900.

Rwvs 25, 30, CAT A.B 1600-2 or std, with a min, climb of 360' per NM to 3100. CAT C,D 5500-3 or std. with a min. climb of 570' per NM to 7200.

DEPARTURE PROCEDURE: Rwy 12, climb runway heading. Rwys 25, 30, climbing left turn. All aircraft climb via EAT R-113 to 4000 then climbing left turn direct EAT VOR/DME. Aircraft departing EAT R-010 CW R-140 climb on course. All others continue climb in EAT VOR/DME holding pattern (E, right turns, 253° inbound) to cross EAT VOR/DME at or above: R-141 CWR-2007400; R-201 CW R-009, 8200.

WEST YELLOWSTONE, MT

YELLOWSTONE

TAKE-OFF MINIMUMS: Rwy 19, 2200-2 or std. with a min. climb of 245' per NM to 8900. FAR 135 AUTH: Rwv 1. ½ mile.

DEPARTURE PROCEDURE: Rwv 1. turn right. All aircraft climb direct TARGY LOM. Aircraft departing TARGY LOM on bearing 190° CW 220° climb on course. All others climb south on bearing 190° within 10 NM of TARGY LOM turn left and continue climbing direct TARGY LOM to cross TARGY LOM at or above: bearing 360° CW 190° 9300, bearing 220° CW 360° 10500

21 OCT 2010 to 18 NOV 2010

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



10266

WHEATLAND, WY

PHIFER AIRFIELD

DEPARTURE PROCEDURE: Rwy 8, climbing left turn to 9000 via heading 030° to intercept IIP VOR/ DME R-140 to JEZZY Int, thence... Rwy 26, climbing right turn to 9000 via heading 360° and GYZ NDB course 051° to JEZZY INT, thence...

...continue climb-in-hold (hold northwest, right turn, 140° inbound) to 9000 before proceeding on course.

NOTE: Rwy8, multiple trees 512' from departure end of runway, 584' left of centerline, 100' AGL/4859' MSL. Rwy 26, multiple trees, buildings, poles/lights, siren, roads w/vehicles beginning 2' from departure end of runway, on centerline, to 488' left of centerline, 100' AGL/4899' MSL. Multiple trees, buildings, poles/ lights, roads w/vehicles beginning 2' from departure end of runway, on centerline to 499' right of centerline, 100' AGL/4859' MSL.

WHIDBEY ISLAND NAS (AULT FIELD) (KNUW) 10210

Diverse departures not authorized. MILITARY DEPARTURE PROCEDURE: Rwy 7: Minimum climb of 420'/NM until 800. Climbing left turn to 2000, intercept NUW R-067, expect radar vectors to join assigned route. Rwy 14: Cross DER at or above 11' AGL/60' MSL. Climbing left turn to 2000, intercept NUW R-128, expect radar vectors to join assigned route. Rwy 25: Climb to 2000 via heading 249°, expect radar vectors to join assigned route. Rwy 32: Climb to 2000 via heading 317°, expect radar vectors to join assigned route. ALL RWYS: If vectors are not received by 10 DME of NUW TACAN, climb to 3000. intercept the NUW 11 DME ARC to join assigned

CIVIL DEPARTURE PROCEDURE: Rwy 7: Minimum climb of 410'/NM until 800. Climb to 2000 via heading 067°, expect radar vectors to join assigned route. Rwy 14: Cross DER at or above 11' AGL/60' MSL Climbing left turn to 2000, via heading 128°, expect radar vectors to join assigned route. Rwy 25: Use published DP or climb to 2000 via heading 249°, expect radar vectors to join assigned route. Rwy 32: Climb to 2000 via heading 317°, expect radar vectors to join assigned route. ALL RWYS: If vectors are not received by 10 DME of NUW TACAN, climb to 3000, proceed direct CVV VOR/DME to join assigned route. TAKE-OFF OBSTACLES: Rwy 7: Trees, 204' MSL 3278' from DER, 1357' left of centerline; Trees, 434' MSL, 4727' from DER, 4828' left of centerline; Trees, 486' MSL, 5464' from DER, 5803' left of centerline: Trees, 279' MSL, 1.26 NM from DER, 2431' left of centerline; Trees, 397' MSL, 1.41 NM from DER, 3685' left of centerline; Trees, 525' MSL, 1.95 NM from DER, 1,17 NM left of centerline: Trees, 480' MSL, 1,99 NM from DER, 5119' right of centerline; Trees, 338' MSL, 1.46 NM from DER, 2996' right of centerline; Trees, 499' MSL, 1.6 NM from DER, 1 NM right of centerline; Trees, 512' MSL, 1.6 NM from DER, 1.11 NM left of centerline; Trees, 519' MSL, 1.96 NM from DER, 1.15 NM left of centerline; Trees, 525' MSL, 1.82 NM from DER, 1.21 NM left of centerline. Rwy 14: Trees, 123' MSL, 2624' from DER, 849' right of centerline; Trees, 274' MSL, 1.47 NM from DER, 2467' right of centerline; Trees, 375' MSL, 2.10 NM

from DER, 1844' left of centerline.

WORLAND, WY

WORLAND MUNI

TAKE-OFF MINIMUMS: Rwys 4, 10, 22, 28, NA. 16, 300-2 or std. with a min. climb of 230' per NM to

DEPARTURE PROCEDURE: All aircraft climb to 5000, then direct RLY VOR/DME. Aircraft departing RLY R-061 CW R-349 climb on course. All others continue climb in RLY VOR/DME holding pattern (N, right turns, 159° inbound) to cross RLY VOR/DME at or above 7000.

YAKIMA. WA

YAKIMA AIR TERMINAL/MCALLISTER FIELD TAKE-OFF MINIMUMS: Rwv 4. NA. Rwv 9. 800-4 or std. with a min. climb of 300' per NM to 5000. Rwys 22,27, 2500-3 or std. with a min. climb of 300' per NM to 5200. DEPARTURE PROCEDURE: Rwy 4, NA. Rwys 9,22,27, Use ZILLA DEPARTURE PROCEDURE.

10266

21 OCT 2010 to 18 NOV 2010



WASHINGTON

WATERWAY SE: Hill. SEAPLANE REMARKS: Unattended, Land to SE, Military arrival corridor N and W of arpt.

(D69) 8 SE UTC-8(-7DT) N46°04.47′ W116°57.97′

N48°28.99′ W122°41.08′

(21H) 3 W UTC-8(-7DT)

RWY 09-27: 1471X50 (TURF) AIRPORT REMARKS: Unattended, Arpt CLOSED 15 Nov-1 Mar. Be alert for horses, deer, and elk on rwy, Vehicles. pedestrians, or wildlife on or invof rwy. No camping, fires, or parking for more than five acft at any time. Spill kit

NOTAM FILE SEA. WATERWAY NW-SE: 5000X2500 (WATER)

COMMUNICATIONS: CTAF 128.25

869 NOTAM FILE SEA

WATERWAY NW: Hill.

142

SKYLINE SPB

ROGERSBURG

00

ANATONE

avbl. **COMMUNICATIONS: CTAF 122.9**

ANDERSON FLD (See BREWSTER)

APEX AIRPARK (See SILVERDALE)

ARLINGTON MUNI

(AWO) 142 B S4 FUEL 100LL, JET A + TPA—See Remarks RWY 16-34: H5332X100 (ASPH) S-114, D-150, 2S-175, 2D-270

Landing fee for acft over 12,500 lbs.

COMMUNICATIONS: CTAF/UNICOM 122.7

WATON NDB (LOM) 382

RWY 34: MALS, PAPI(P2L)-GA 3.0° TCH 46'. RWY 11-29: H3498X75 (ASPH) S-32, D-34, 2D-59 RWY 11: REIL. PAPI(P2L)-GA 3.5° TCH 42'. Rgt tfc.

RWY 16: REIL. PAPI(P2L)-GA 3.0° TCH 40'. Tree. Rgt tfc.

RWY 29: REIL, PAPI(P2L)—GA 4.0° TCH 40', Tree. AIRPORT REMARKS: Attended 1600Z‡-dusk, 100LL fuel avbl 24 hr credit card svc. Glider operations at arpt daily. Ultralight opns

daily at NW corner of arpt. Occasional hot air balloon activity. Helicopter training area, autorotations in grass and on south parallel twy Rwy 29 and along Twy B. Hovering area near compass rose located area Rwv 29 and Twv E. TPA-1200(1058), TPA for ultralights 500(358), helicopters 637(495). Taxiing acft over 30,000 lbs remain clear of west side of arpt, Twy C and ramps on west side of Twv D. ACTIVATE MALS Rwv 34-122.7, PAPI Rwvs 11, 16, 29 and 34 and REIL Rwys 11, 16, and 29 ops 24 hrs.

WEATHER DATA SOURCES: AWOS-3 135.625 (360) 435-8045. (R) SEATTLE CENTER APP/DEP CON 128.5 RADIO AIDS TO NAVIGATION: NOTAM FILE PAE

AW N48°04.57′ W122°09.23′

PAINE (L) VORW/DME 110.6

PAE N47°55.19′ W122°16.67′ Chan 43

IIS 111.5 I-AWO Rwy 34 LOM WATON NDB Localizer only Localizer unmonitored continuously

3 SW UTC-8(-7DT) N48°09.65' W122°09.54'

NOTAM FILE AWO

338° 5.1 NM to fld.

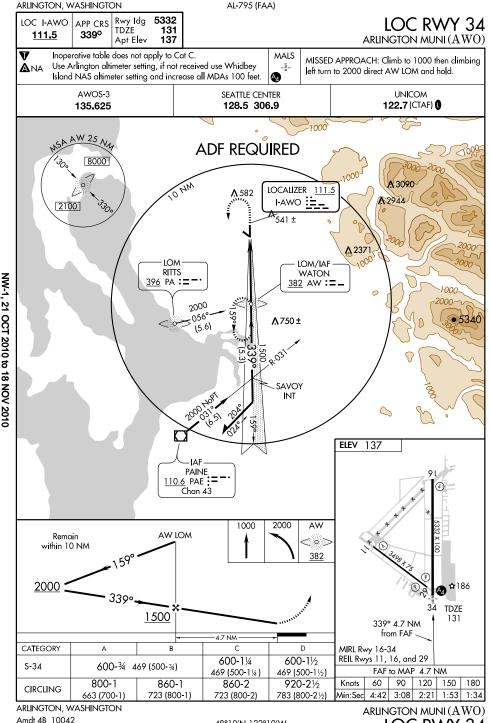
IAP G G a a a a // 0 03 03 €3 6 C3 C3 Residential Area €3 Ш 358° 15.2 NM to fld. 670/20E.

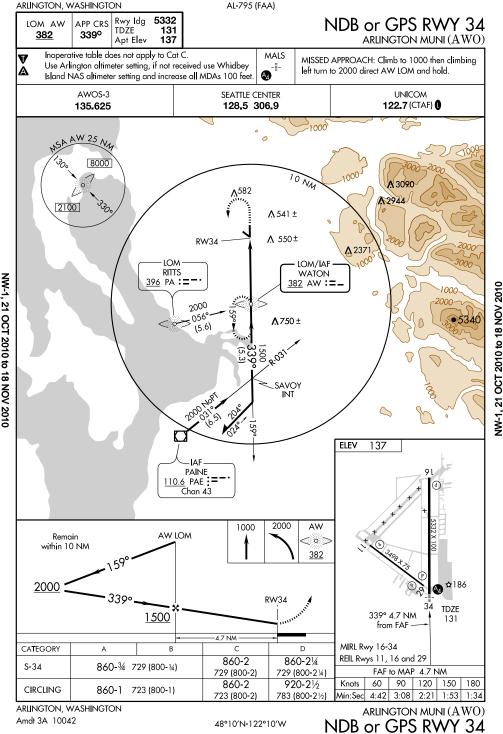
SEATTLE

SEATTLE

SEATTLE

H-1B. L-1E





AUGSPURGER MOUNTAIN N45°44.06′ W121°40.79′ RCO 122.3 (MC MINNVILLE RADIO) AULT FLD (See WHIDBEY ISLAND NAS) AVEY FLD STATE (See LAURIER)

BADGER MOUNTAIN N47°35.29' W120°08.60' RCO 122.3 (SEATTLE RADIO) BANDERA STATE (4WØ) 0 W UTC-8(-7DT) N47°23.72′ W121°32.19′ 1636 NOTAM FILE SEA RWY 08-26: 2344X200 (TURF) RWY 08: Trees RWY 26: Trees

Watch for pedestrian, vehicles and animals on rwy. Ctc Washington State Aviation Division 360-651-6300 or 1-800-552-0666 Washington area for facility information prior to use. COMMUNICATIONS: CTAF 122.9

NOTAM FILE PDX.

(W58) 1 NW UTC-8(-7DT) N45°45.87' W122°30.91'

AIRPORT REMARKS: Attended continuously. Rwy 07-25 for emerg only. Rwy 15-33 width of 43' over culvert in center of fld. Rwy 15-33 sfc uneven with an incline. Rwy 15 has NSTD single lgt VASI both sides of rwy. ACTIVATE bcn

AIRPORT REMARKS: Unattended. Birds on and invof arpt. Transition between rwy and twy on marked twys only.

(H) VORTACW 116.6 BTG Chan 113 161° 9.6 NM to Portland Intl. 253/21E.

3 NW UTC-8(-7DT) N45°49.61' W122°34.61'

RWY 33: P-line.

TACAN azimuth and DME unusable 035°-085° byd 35 NM blo 10,000'.

RWY 26: Road.

FUEL 100 NOTAM FILE SEA LIRL

RWY 25: Tree.

SEATTLE L-1D. 9A SEATTLE AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Oct-1 June. Rwy 08-26 west end extremely rough, rwy soft when wet.

BATTLE GROUND N45°44.87′ W122°35.49′

BATTLE GROUND

GOHEEN

CEDARS NORTH AIRPARK

NOTAM FILE SEA RWY 08-26: 1960X50 (TURF) RWY 08: Road.

COMMUNICATIONS: CTAF 122.9

RWY 15-33: 2565X50 (TURF)

RWY 15: VASI(NSTD), Trees. RWY 07-25: 1500X48 (TURF) RWY 07: Building.

and LIRL Rwy 15-33-CTAF. COMMUNICATIONS: CTAF 122 9

(W52)

292 B S4

SEATTLE L-1C



SEATTLE

SFATTI F

SEATTLE

H-1B. L-1C

109.6 TCM **= :-**Chan 33

NOTE: Chart not to scale.

V

SEATTLE CLNC DEL TAKE-OFF MINIMUMS 128.0 RWY 16: Standard with minimum climb of 266' per NM to 1200 or SEATTLE DEP CON $1200-2\frac{1}{2}$ for climb in visual conditions, do not exceed 180 123.85 KIAS until passing BLAKO. RWY 34: Standard with minimum climb of 300' per NM to 900 or $1200-2\frac{1}{2}$ for climb in visual conditions, do not exceed 180 KIAS until passing BLAKO. **SEATTLE** 116.8 SEA Chan 115 N47°26.12' W122°18.58'. L-1. H-1 700 △ BLAKO N47°19.60' W122°04.09′ 700 **McCHORD**

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF OBSTACLE NOTES:

200' AGL/724' MSL.

RWY 16: AAO 3.2 NM from DER, 3643' left of centerline

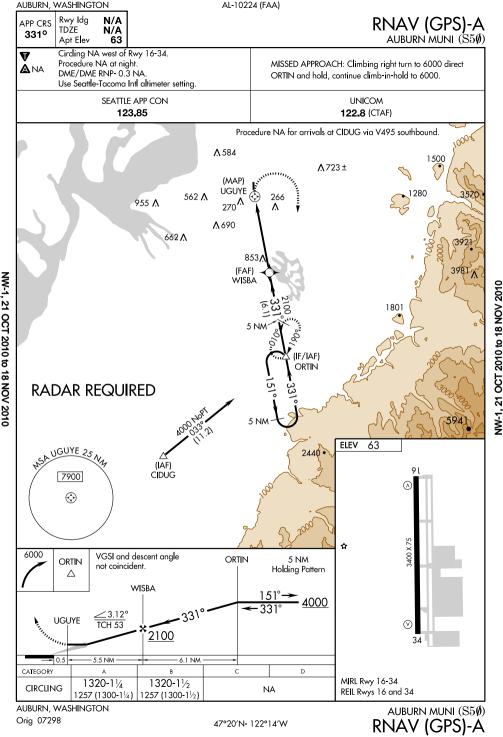
RWY 34: AAO 3.2 NM from DER, 5520' right of centerline 200' AGL/639' MSL. Powerline 1804' from DER,

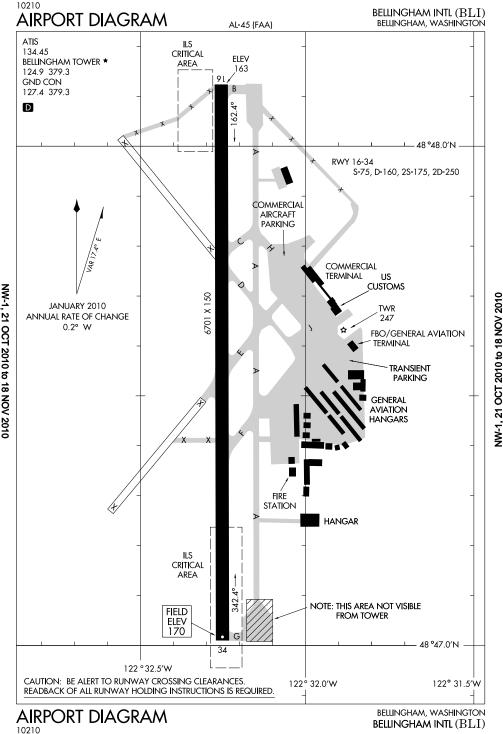
on centerline, 80' AGL/122' MSL.

TAKE-OFF RUNWAY 16: Climb heading 162° to 700, then climbing left turn to 3000 via the TCM R-035 to BLAKO INT then left turn via the SEA R-104 to SEA VORTAC; or climb in visual conditions east of RWY 16/34 to cross Auburn Muni southbound at or above 1200′, then climb to 3000 via heading 150° and TCM R-035 to BLAKO INT then left turn via the SEA R-104 to SEA VORTAC. Do not exceed 180 KIAS until passing BLAKO. Thence....

TAKE-OFF RUNWAY 34: Climb heading 342° to 700, then climbing right turn to 3000 via heading 150° to TCM R-035 to BLAKO INT then left turn via the SEA R-104 to SEA VORTAC; or climb in visual conditions east of RWY 16/34 to cross Auburn Muni southbound at or above 1200′, then climb to 3000 via heading 150° and TCM R-035 to BLAKO INT then left turn via the SEA R-104 to SEA VORTAC. Do not exceed 180 KIAS until passing BLAKO. Thence....

....hold E SEA VORTAC, RT, 284° inbound; when authorized by ATC, climb-in-hold to 5000, or as assigned before proceeding on course.





144 WASHINGTON

170 R **S**7 FUEL 100LL, JET A OX 3, 4 TPA—See Remarks ARFF Index—See Remarks NOTAM FILE BLI

BELLINGHAM

BELLINGHAM INTL

RWY 16-TORA-6701 TODA-6701

(BLI)

RWY 16-34: H6701X150 (ASPH-GRVD)

RWY 34: REIL, VASI(V4L)-GA 3.0° TCH 50'. Tree.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 16: MALSR, PAPI(P4L)-GA 3.0° TCH 50', Rgt tfc.

RWY 34-TORA-6701 TODA-6701

AIRPORT REMARKS: Attended continuously. Birds on and in vicinity of

with more than 30 passenger seats call arpt manager

Twy D from Twy E to Twy F closed to air carrier ops. Commercial ramp clsd to pyt acft. Noise abatement procedures in effect ctc

Rwy 16-34, MALSR Rwy 16 and REIL Rwy 34-CTAF. Flight

COMMUNICATIONS: CTAF 124.9 ATIS 134.45 (360) 647-5939

ASDA-6701

ASDA-6701

3 NW UTC-8(-7DT)

S-75, D-160, 2S-175, 2D-250

N48°47.56′ W122°32.25′

I DA-6701

HIRI

LDA-6701 airport, Class I, ARFF Index B, PPR for unscheduled air carrier ops 360-671-5674. ARFF Index C 1400-0600Z‡. Twr svc not avbl at Twy A invof Twy G, the south hold area and the runup area due to obstructed vision. Twy J, Twy F from Twy A eastward to Twy D, and €3

arpt manager at 360-671-5674. TPA-1200 (1030) fixed wing; range available Rwv 16, Ldg fee, When twr clsd ACTIVATE HIRL

700 (530), helicopter: 2000 (1830) turbo. Touchdown rwy visual

(3

RCO 122.15 (SEATTLE RADIO) (R) VICTORIA APP/DEP CON 132.7 TOWER 124.9 (1500-0630Z±) GND CON 127 4

Notification Service (ADCUS) available.

UNICOM 122.95

83/20E.

ILS/DME 108.5

FLOATHAVEN SPB

307 S2

BOWERMAN

BOWERS FLD

WHATCOM (H) VORTACW 113.0

COMMUNICATIONS: CTAF 122.9 BOEING FLD/KING CO INTL

HIWAS.

I-BLI

WEATHER DATA SOURCES: ASOS (360) 671-8688.

AIRSPACE: CLASS D svc 1500-0630Z‡ other times class E.

RADIO AIDS TO NAVIGATION: NOTAM FILE BLI. HUH

Chan 77

N48°56.72′ W122°34.76′ 150° 9.3 NM to fld.

Rwy 16.

Class IA.

UTC-8(-7DT) N48°44.14' W122°20.40'

NOTAM FILE SEA WATERWAY 12-30: 10000X4000 (WATER)

(ØW7) 6 SE

SEAPLANE REMARKS: Attended dalgt hours. Canoe, sailboat, and hang glider activity invof arpt. For airframe repairs call

Chan 22

206-909-7299 prior to arrival to arrange sycs. Land and take off in the center of the lake. Avoid flying over

noise sensitive area during tkf and ldg.

(See SEATTLE)

(See HOQUIAM)

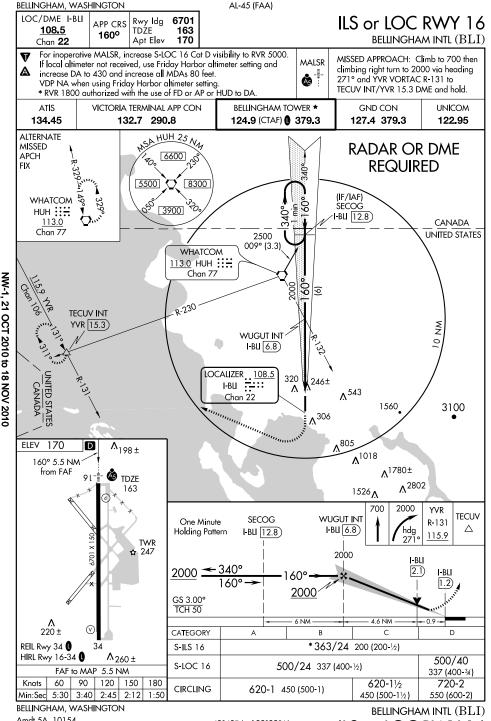
(See FLLENSBURG)

SFATTLE

SEATTLE

IAP. AD

H-1B. L-1E



48°48'N - 122°32'W

Rwy 34: Lighted windsock 93' from DER, 516' right of centerline, 27' AGL/169' MSL.
Multiple trees beginning 1372' from DER, 619' right of centerline, up to 134' AGL/246' MSL.
NOTE: Chart not to scale.

▼ DEPARTURE ROUTE DESCRIPTION

N48°14.68′-W122°43.47

<u>TAKE-OFF RUNWAY 16:</u> Climb heading 160° to 600′, then climbing right turn to intercept HUH R-160 to KIENO INT, Thence....

<u>TAKE-OFF RUNWAY 34</u>: Climb heading 340° to 700′, then climbing left turn to intercept HUH R-160 to KIENO INT. Thence....

....Maintain assigned transition altitude, expect requested altitude within 10 minutes.

PAINE TRANSITION (KIENO3.PAE): From over KIENO INT via PAE R-325 to PAE VOR/DME.

PENN COVE TRANSITION (KIENO3.CVV): From over KIENO INT via CVV R-354 to CVV VOR/DME.

<u>VANCOUVER TRANSITION (KIENO3.YVR)</u>: From over KIENO INT via YVR R-117 to YVR VOR/DME.

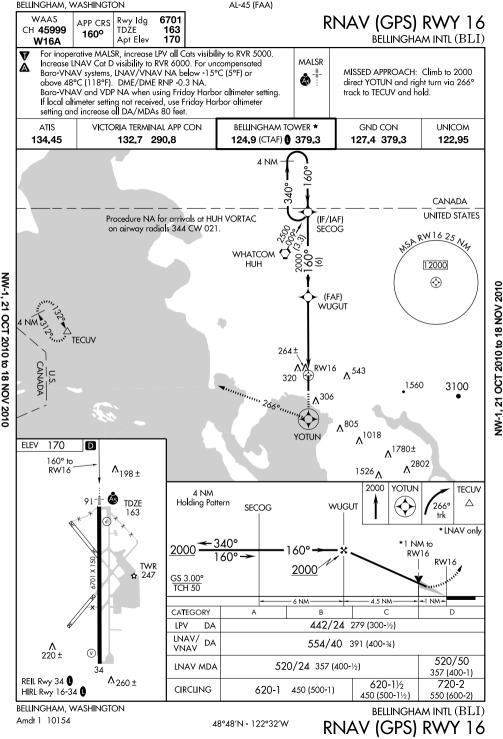
VICTORIA TRANSITION (KIENO3.YYJ): From over KIENO INT via YYJ R-075 to YYJ VOR/DME.

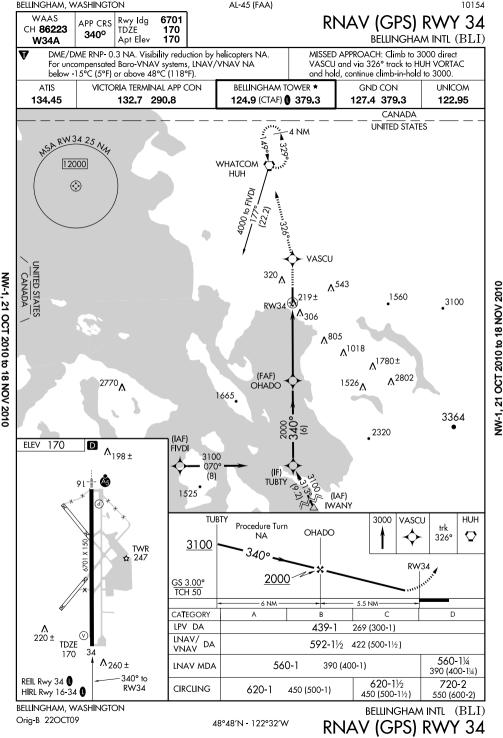
KIENO THREE DEPARTURE (KIENO3.KIENO) 10210

NW-1, 21 OCT 2010 to 18 NOV 2010

BELLINGHAM, WASHINGTON BELLINGHAM INTL $(BLI)\,$

110.6 PAE :=-





SEATTLE

IAP

H-1B. L-1D

WASHINGTON

N46°58.30'

HIWAS.

BREMERTON NATIONAL (PWT) 7 SW UTC-8(-7DT) N47°29.42' W122°45.89'

FUEL 100LL, JET A TPA-1444(1000) NOTAM FILE PWT S4 RWY 01-19: H6000X150 (ASPH) S-66, D-150, 2S-113, 2D-336

RWY 01: PAPI(P4L)-GA 3.0° TCH 45', Rgt tfc. RWY 19: MALSR, PAPI(P4L)-GA 3.0° TCH 48', Fence.

AIRPORT REMARKS: Attended 1500-0300Z±, 24 hour fuel terminal located 300' WSW of Twy E. Rwy 19 designated calm wind rwy. All acft above 70,000 lb weight class are required to use Twy E and back taxi on rwy when departing Rwy 19. Wildlife fence crosses

north end of abandoned rwy. Fee for aircraft over 60,000 pounds. ACTIVATE MALSR Rwv 19 and PAPI Rwv 01 and Rwv 19-CTAF. WEATHER DATA SOURCES: AWOS-3 121.2 (360) 674-2811.

COMMUNICATIONS: CTAF/UNICOM 123 05

(R) SEATTLE APP/DEP CON 127.1 AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE TOM

OLYMPIA (H) VORTACW 113.4 OLM Chan 81 W122°54.11' 351° 31.6 NM to fld. 200/19E.

McCHORD (T) VORTAC 109.6 TCM Chan 33 N47°08 86' 308° 23.7 NM to fld. 284/22E. No NOTAM MP W122°28.50′

Tue. Thu 0700-1600Z±. CARNEY NDR (MHW) 274 CAN N47°24 63' W122°50 33'

012° 5.7 NM to fld. NOTAM FILE PWT. NDB unusable 030°-310° beyond 15 NM.

KITSAP NDB (MHW) 206 PWT N47°29.54′ W122°45.40′ at fld. NOTAM FILE PWT.

NDB unusable 210°-310° byd 12 NM.

ILS 111.1 I-PWT Rwv 19. Class IA.

BRFWSTFR

ANDERSON FLD (S97) 3 E UTC-8(-7DT) N48°06.29' W119°43.24'

B S6 FUEL 100LL NOTAM FILE SEA

RWY 07-25: H4000X60 (ASPH) S-15 MIRL

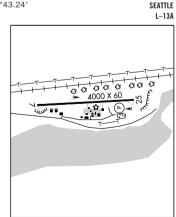
RWY 25: PAPI (P2L)-GA 3.0°. AIRPORT REMARKS: Unattended. Fuel emergency use only. See charter

opr who lives on fld. PAPI Rwy 25 OTS indef. ACTIVATE MIRL Rwy 07-25-CTAF COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0

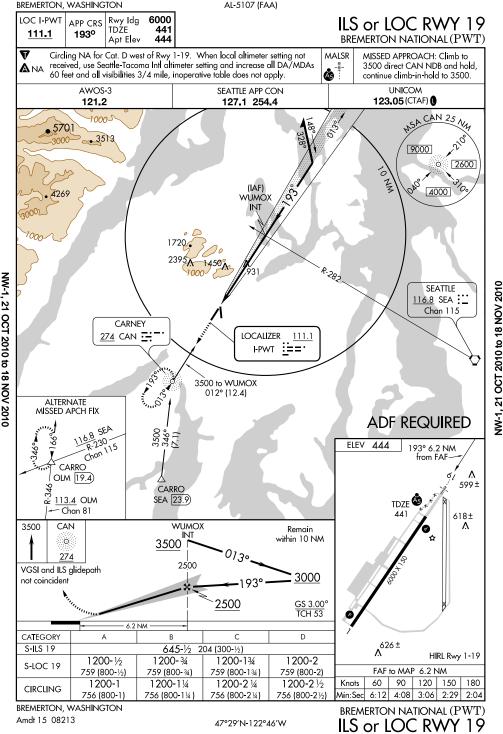
MWH Chan 97 N47°12 65' W119°19.01' 325° 56.1 NM to fld. 1194/18E.

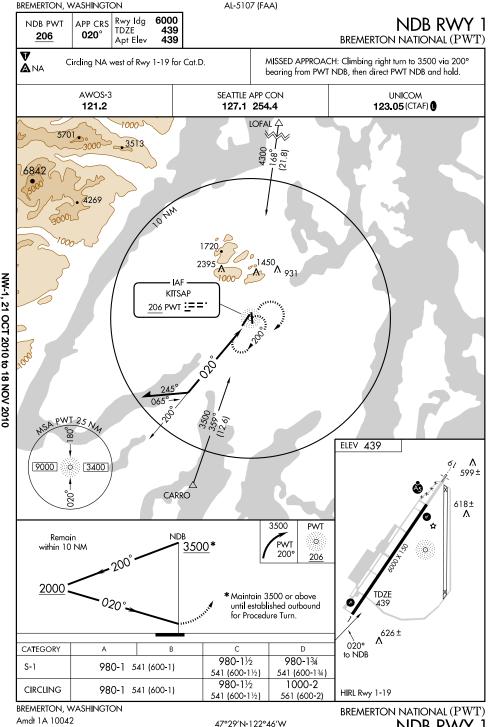


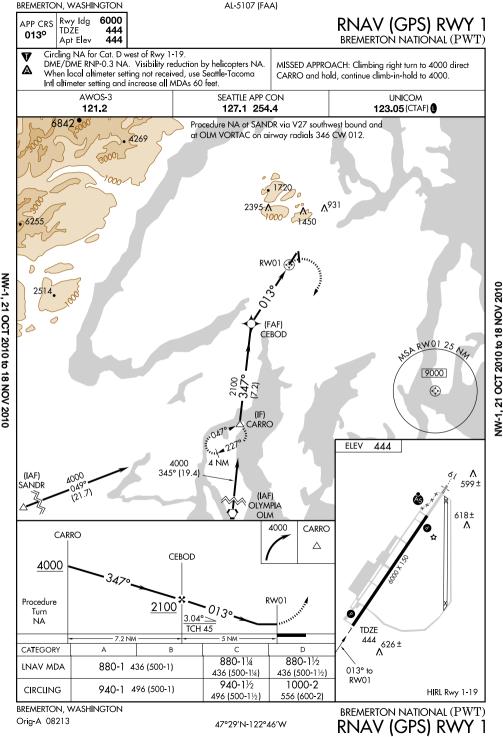
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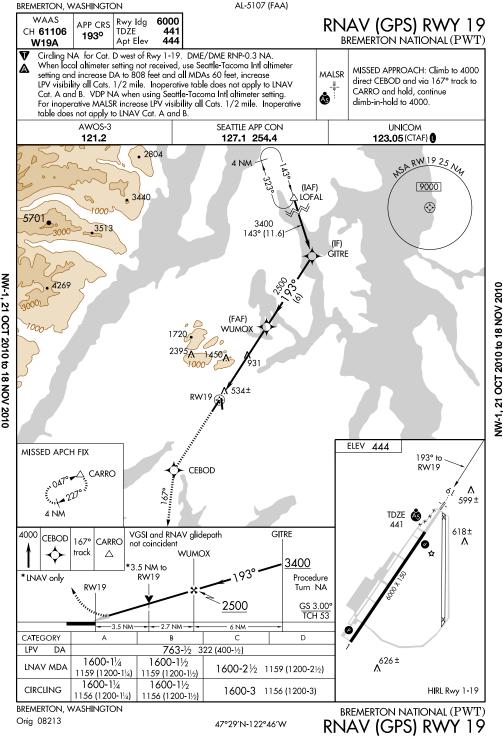
BUCKHORN MOUNTAIN N46°32.49' W123°01.27' RCO 122 2 (SEATTLE RADIO)

SEATTLE I-10









146 WASHINGTON BURLINGTON/MOUNT VERNON

SKAGIT RGNL (BVS) 3 W UTC-8(-7DT)

FUEL 100LL, JET A S4

TPA—See Remarks NOTAM FILE BVS RWY 10-28: H5477X100 (ASPH) S-19 MIRL

0.4% up NE

N48°28.25′ W122°25.25′

RWY 10: REIL, VASI(V4L)-GA 3.0° TCH 40'. RWY 28: REIL. VASI(V2L)-GA 3.5° TCH 46'.

RWY 04-22: H3000X60 (ASPH) RWY 04: PAPI(P2L)-GA 3.0° TCH 40'. RWY 22: PAPI(P2L)-GA 3.0° TCH 40'.

AIRPORT REMARKS: Attended Mon-Fri 1400-0100Z‡. Deer and birds on

and invof rwys. Helicopter training ops on arpt with autorotations on rwy. Use of Twy G by acft with wingspan 49' or greater

prohibited when Rwy 04-22 in use. TPA-1144(1000) Ultralight TPA-644(500), Rwv 04-22 compass rose in stopway SW end.

ACTIVATE MIRL Rwy 10-28, LIRL Rwy 04-22, VASI Rwy 10 and Rwy 28, and REIL Rwy 10 and Rwy 28-CTAF, PAPI Rwy 04 and Rwv 22 opr continuously.

WEATHER DATA SOURCES: AWOS-3 121.125 (360) 757-7767. COMMUNICATIONS: CTAF/UNICOM 123.075 R WHIDBEY APP/DEP CON 120.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. TOU

S-12.5

LIRL

Chan 59 W124°37.62' 061° 88.8 NM to fld. 1652/22E.

SKAGIT/BAY VIEW NDB (MHW) 240 BVS N48°28.12′ W122°25.10′

NDB unusable 350°-030° byd 20NM.

(See STANWOOD)

(1W1) 3 N UTC-8(-7DT) N45°37.67' W122°24.26'

GROVE FLD 429 **S4 FIIFI** 100 B

TATOOSH (H) VORTACW 112.2

HIWAS.

CAMAS

CAMANO ISLAND AIRFIELD

S4

COMMUNICATIONS: CTAF 122.9 CEDARS NORTH AIRPARK

RWY 07: Fence.

RWY 07-25: H1800X50 (ASPH)

NOTAM FILE SEA RWY 07-25: H2710X40 (ASPH) MIRL (NSTD) RWY 07: PAPI(P2L)—GA 5.0°. Thid dspicd 493'. Trees.

RWY 25: PAPI(P2L)—GA 5.0°. Thid dspicd 413'. Trees. AIRPORT REMARKS: Unattended. For fuel after hrs credit card lock. Noise abatement procedures in effect, ctc Port of Camas-Washougal at 360-835-2196. Rwy 07-25 has buildings, telephone poles and trees encroaching in

safety areas. Rwy 07 and Rwy 25 have 4 thld stripes falsely indicating 60' width. NSTD MIRL Rwy 07 and Rwy 25 dsplcd thids unlighted. ACTIVATE rotating bcn and MIRL Rwy 07-25-CTAF.

COMMUNICATIONS: CTAF 122.9 PORTLAND CLNC DEL 121.65

CARNEY N47°24.63′ W122°50.33′ NOTAM FILE PWT. NDB (MHW) 274 CAN

012° 5.7 NM to Brementon National. NDB unusable 030°-310° beyond 15 NM.

CASHMERE-DRYDEN (8S2) 0 SW N47°30.89' W120°29.08' UTC-8(-7DT) NOTAM FILE SEA

MIRL

(See BATTLE GROUND)

RWY 25: PAPI(P2L)-GA 3.0°. Thid dsplcd 182'. Trees. AIRPORT REMARKS: Unattended, Ground vehicles and pedestrians use twy for hanger and residential access. Exit rwy at twys only. Radio control model activity permitted on W end of arpt. ACTIVATE MIRL Rwy 07-25-121.7.

CANYON N47°40.62′ W117°27.01′ NOTAM FILE GEG. NDB (MHW) 388 CRK 205° 4.8 NM to Spokane Intl.

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€3

Vehicle 03 C3 Test Œ Track €3

Rwy Rwy

8 8 8 8 8 8

€3

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SEATTLE

L-1D

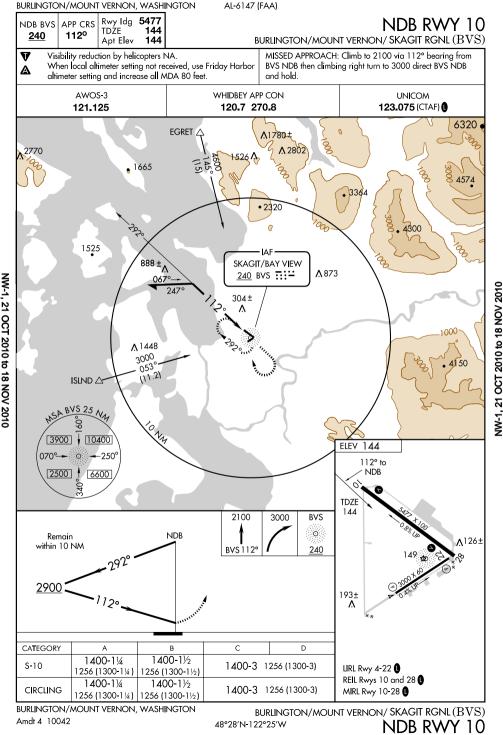
N48°17 99'

SEATTLE

IAP

H-1B. L-1E

Rwy 4-22: 3000 X 60



V

Δ

NW-1, 21 OCT 2010 to 18 NOV 2010

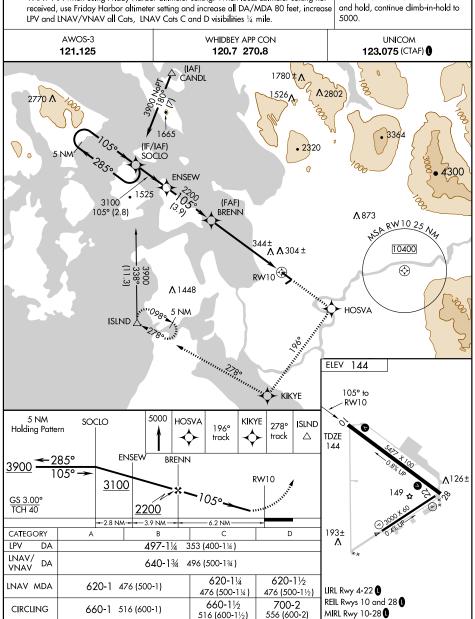
AL-6147 (FAA)

RNAV (GPS) RWY 10 BURLINGTON/MOUNT VERNON/SKAGIT RGNL (BVS)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F). DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. Baro-VNAV NA when using Friday Harbor altimeter setting. When local altimeter setting not

MISSED APPROACH: Climb to 5000 direct HOSVA and via 196° track to KIKYE and via 278° track to ISLND and hold, continue climb-in-hold to 5000.

NW-1, 21 OCT 2010 to 18 NOV 2010



BURLINGTON/MOUNT VERNON, WASHINGTON

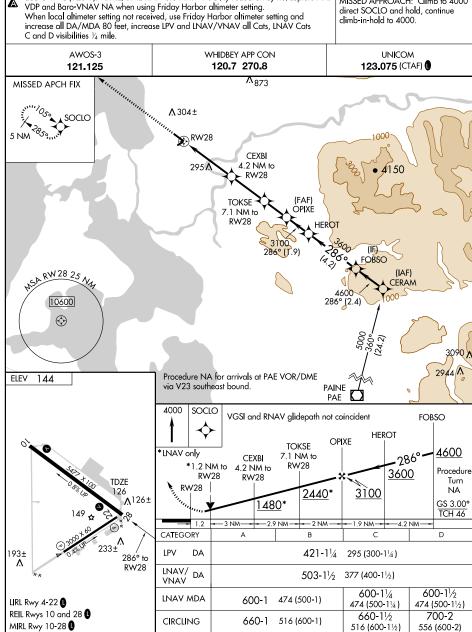
BURLINGTON/MOUNT VERNON/SKAGIT RGNL (BVS)RNAV (GPS) RWY 10 48°28'N-122°25'W

AL-6147 (FAA)

RNAV (GPS) RWY 28 BURLINGTON/MOUNT VERNON/SKAGIT RGNL (BVS)

NW-1, 21 OCT 2010 to 18 NOV 2010

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F). DME/DME RNP- 0.3 NA. Visibility reduction by helicopters NA. MISSED APPROACH: Climb to 4000 VDP and Baro-VNAV NA when using Friday Harbor altimeter setting. direct SOCLO and hold, continue When local altimeter setting not received, use Friday Harbor altimeter setting and climb-in-hold to 4000. increase all DA/MDA 80 feet, increase LPV and LNAV/VNAV all Cats, LNAV Cats C and D visibilities 1/4 mile.



BURLINGTON/MOUNT VERNON, WASHINGTON

BURLINGTON/MOUNT VERNON/SKAGIT RGNL $\,(\mathrm{BVS})$

Orig-A 10042

SFATTLE

SEATTLE

I-13A

IAP

H-1B, L-1C

WASHINGTON

CHEHALIS-CENTRALIA (CLS) 1 W UTC-8(-7DT) N46°40.62′ W122°58.97′

FUEL 100LL, JET A OX 4 NOTAM FILE SEA 176 B S4 RWY 16-34: H5000X150 (CONC) S-30, D-30, 2D-85

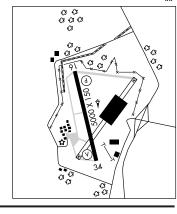
RWY 16: REIL, PAPI(P4L)-GA 4.0° TCH 51', Trees, Rgt tfc. RWY 34: REIL, VASI(V2L)—GA 4.5°TCH 35', Trees.

AIRPORT REMARKS: Attended Mon-Fri 1500-0100Z±, Fuel avbl 24 hrs by credit card only. No debit cards. Possible wildlife on rwys. ACTIVATE MIRL Rwy 16-34 and REIL Rwy 16 and Rwy 34-CTAF. WEATHER DATA SOURCES: AWOS-3 118.025 (360) 740-5164.

COMMUNICATIONS: CTAF/UNICOM 122.8 (R) SEATTLE APP CON 121.1 SEATTLE CENTER DEP CON 124.2

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM. OLYMPIA (H) VORTACW 113.4 OLM Chan 81

W122°54.11' 172° 18.0 NM to fld. 200/19E. HIWAS.



CHELAN LAKE CHELAN (S1Ø) 3 NE UTC-8(-7DT) N47°51.96′ W119°56.56′

R S2 FUEL 100LL, JET A NOTAM FILE SEA RWY 02-20: H3503X60 (ASPH) S-12 MIRL

RWY 02: Thid dspicd 447'. Road. Rgt tfc. AIRPORT REMARKS: Attended continuously, Self-service fuel avbl 24 hrs, ACTIVATE MIRL Rwy 02-20 CTAF 122.9.

COMMUNICATIONS: CTAF/UNICOM 122.95 RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 FPH Chan 73 N47°22.68′ W119°25.44′ 303° 36.1 NM to fld. 1250/21E. **CHFWFIAH**

RWY 20: PAPI(P2L). Thid dsplcd 197'. Trees.

SAND CANYON (1S9) 2 N UTC-8(-7DT) N48°18.85' W117°44.60'

B NOTAM FILE SEA 2084

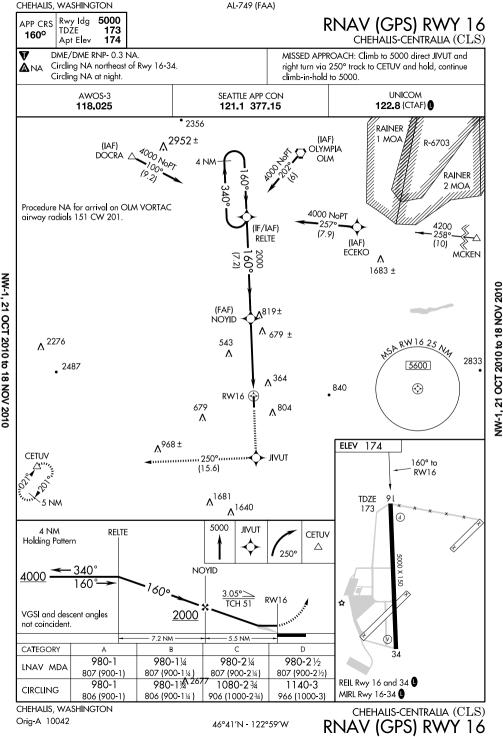
RWY 17-35: H3446X48 (ASPH) MIRL

RWY 17: PAPI(P2R)—GA 4.0° TCH 63', Thid dsplcd 230', Tree.

Rgt tfc. RWY 35: PAPI(P2L)-GA 3.0°. Thid dsplcd 101'. AIRPORT REMARKS: Unattended, Deer and wildlife on and invof arpt. ACTIVATE MIRL Rwy 17-35-CTAF. PAPI Rwy 17 and Rwy 35 operate continuously. COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'

W117°37.61' 333° 45.2 NM to fld. 2756/21E. HIWAS.

SFATTLE L-13B



WASHINGTON DEER PARK (DEW) UTC-8(-7DT) N47°58.02′ W117°25.72′ 3 NE

150

H-1C, L-13B 2211 В S4 FUEL 100LL, JET A TPA-See Remarks RWY 16-34: H6100X75 (ASPH) S-21 MIRL 0.4% up NW IAP RWY 16: REIL. PAPI (P4L)-GA 3.5° TCH 38'. Trees. RWY 34: REIL. PAPI(P4L)-GA 3.0° TCH 40'. 9١ RWY 04-22: H3200X60 (ASPH) S-12.5(a) AIRPORT REMARKS: Attended Apr-Oct 1600-0100Z‡, Nov-Mar == 1800-0000Z‡. 100LL avbl 24 hrs credit card self service facility. Call ahead for Jet A svc 509-276-3379, Rwv 04-22 heavy glider

SEATTLE

SEATTLE

SEATTLE

SFATTLE

IAP

activity weekends. Monitor glider traffic on 123.3 abv 5000' MSL. Glider pattern TPA 3211(1000). Model airplane activity on arpt. 8 Farming opr active on land adjacent to rwys. Deer and covotes on and invof runways. 175' twr 2000' W of Rwy 16-34. Noise abatement procedures in effect ctc arpt manager 509-276-3379. Rwy 16 preferred calm wind rwy. ACTIVATE MIRL Rwy 16-34-CTAF. WEATHER DATA SOURCES: ASOS 135.175 (509) 276-2303. COMMUNICATIONS: CTAF/UNICOM 123.0 (R) SPOKANE APP/DEP CON 123.75 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. 34 SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33 90' W117°37.61' 357° 25.4 NM to fld. 2756/21E.

NDB (MHW) 365 DPY N47°58.07' W117°25.58' at fld. NOTAM FILE DEW. NDB unmonitored. DESERT AIRE (See MATTAWA) DE VERE FLD (See CLE ELUM)

DONNY N46°31.54′ W120°22.33′. NOTAM FILE YKM.

NDB (LOM) 371 YK 274° 7.6 NM to Yakima Air Terminal/McAllister Fld.

DOROTHY SCOTT (See OROVILLE)

DUNEZ N46°20 29' W119°00 75' NOTAM FILE PSC

NDB (LOM) 331

205° 6.3 NM to Tri-Cities. Unmonitored when twr clsd.

EASTON STATE (ESW) 2 N UTC-8(-7DT) N47°15.25' W121°11.13'

2226

NOTAM FILE SEA RWY 09-27: 2640X100 (TURF)

RWY 09: Trees RWY 27: Trees

AIRPORT REMARKS: Unattended, Arpt CLOSED Oct 1 thru Jun 1, Wind cone mounted on 50' self supporting tower. Vehicles, pedestrians and wildlife on and invof arpt.

COMMUNICATIONS: CTAF 122.9

WHIDREY SOUTH APP/DEP CON 118 2

EASTSOUND

ORCAS ISLAND (ORS)

RWY 16-34: H2900X60 (ASPH-AFSC) MIRL S-12.5RWY 16: REIL. VASI(V4L)—GA 2.9° TCH 35'.

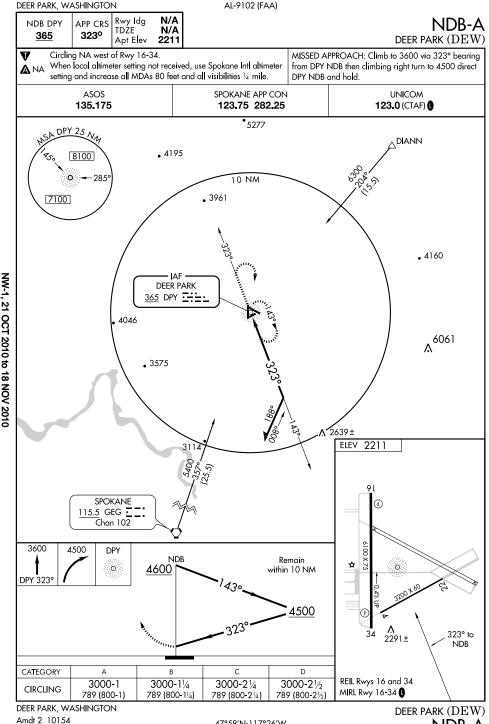
B S3 FUEL 100LL TPA-1031(1000) NOTAM FILE ORS

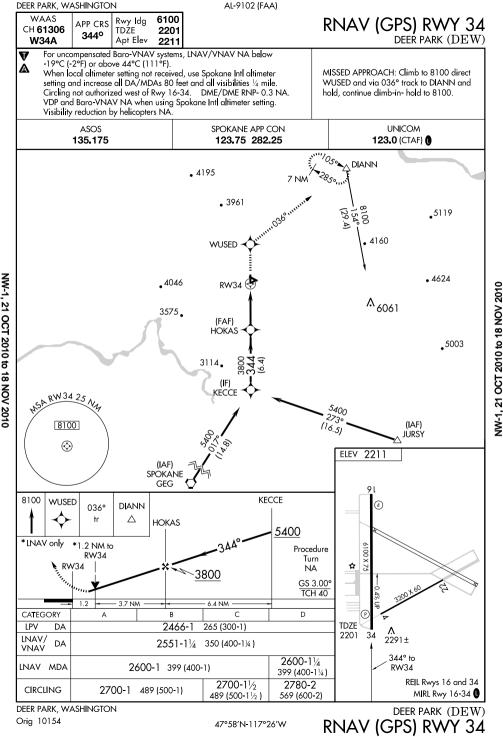
1 N UTC-8(-7DT) N48°42.50′ W122°54.64′ SEATTLE L-1E RWY 34: REIL. PAPI(P2L)-GA 4.0° TCH 28'. Trees. Rgt tfc. AIRPORT REMARKS: Attended 1600-0030Z±. Self svc 24 hr fuel avbl with credit card. Deer on and invof rwy. Noise abatement procedures in effect, ctc arpt manager 360-376-5285. Additional transient tiedowns south of

segmented circle. PAPI baffled W of centerline, lateral coverage has been narrowed to avoid obstacles, during

decent close alignment to rwy centerline is necessary. ACTIVATE VASI Rwy 16, REIL Rwy 16 and Rwy 34 and twy lgts-128.25. WEATHER DATA SOURCES: AWOS-3 135.425 (360) 376-6045.

COMMUNICATIONS: CTAF 128.25 VICTORIA NORTH APP/DEP CON 132.7





WASHINGTON DEER PARK (DEW) UTC-8(-7DT) N47°58.02′ W117°25.72′ 3 NE

150

SEATTLE H-1C, L-13B 2211 В S4 FUEL 100LL, JET A TPA-See Remarks RWY 16-34: H6100X75 (ASPH) S-21 MIRL 0.4% up NW IAP RWY 16: REIL. PAPI (P4L)-GA 3.5° TCH 38'. Trees. RWY 34: REIL. PAPI(P4L)-GA 3.0° TCH 40'. 9١ RWY 04-22: H3200X60 (ASPH) S-12.5(a) AIRPORT REMARKS: Attended Apr-Oct 1600-0100Z‡, Nov-Mar == 1800-0000Z‡. 100LL avbl 24 hrs credit card self service facility. Call ahead for Jet A svc 509-276-3379, Rwv 04-22 heavy glider

activity weekends. Monitor glider traffic on 123.3 abv 5000' MSL. Glider pattern TPA 3211(1000). Model airplane activity on arpt. 8 Farming opr active on land adjacent to rwys. Deer and covotes on and invof runways. 175' twr 2000' W of Rwy 16-34. Noise abatement procedures in effect ctc arpt manager 509-276-3379. Rwy 16 preferred calm wind rwy. ACTIVATE MIRL Rwy 16-34-CTAF. WEATHER DATA SOURCES: ASOS 135.175 (509) 276-2303. COMMUNICATIONS: CTAF/UNICOM 123.0 (R) SPOKANE APP/DEP CON 123.75 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. 34

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33 90' W117°37.61' 357° 25.4 NM to fld. 2756/21E. NDB (MHW) 365 DPY N47°58.07' W117°25.58' at fld. NOTAM FILE DEW. NDB unmonitored. DESERT AIRE (See MATTAWA) DE VERE FLD (See CLE ELUM)

SEATTLE

SEATTLE

SFATTLE

DONNY N46°31.54′ W120°22.33′. NOTAM FILE YKM.

NDB (LOM) 371 YK 274° 7.6 NM to Yakima Air Terminal/McAllister Fld.

DOROTHY SCOTT (See OROVILLE)

DUNEZ N46°20 29' W119°00 75' NOTAM FILE PSC

NDB (LOM) 331

205° 6.3 NM to Tri-Cities. Unmonitored when twr clsd.

EASTON STATE (ESW) 2 N UTC-8(-7DT) N47°15.25' W121°11.13'

2226 NOTAM FILE SEA

RWY 09-27: 2640X100 (TURF) RWY 09: Trees RWY 27: Trees

WEATHER DATA SOURCES: AWOS-3 135.425 (360) 376-6045.

Vehicles, pedestrians and wildlife on and invof arpt. **COMMUNICATIONS: CTAF 122.9**

EASTSOUND ORCAS ISLAND

(ORS)

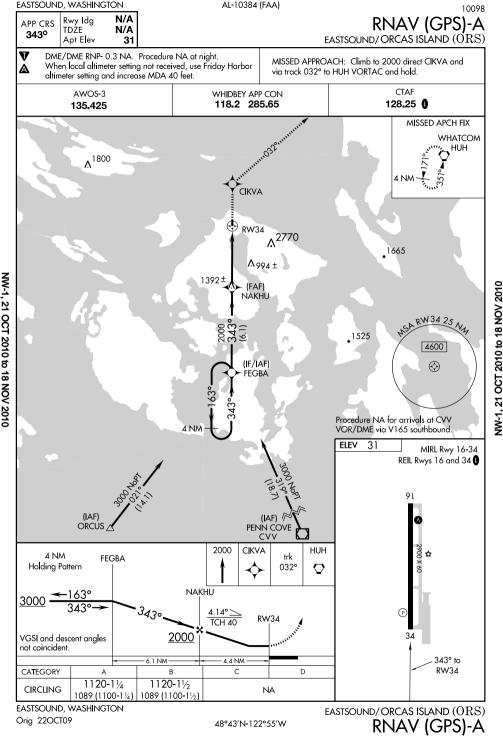
COMMUNICATIONS: CTAF 128.25 VICTORIA NORTH APP/DEP CON 132.7 WHIDREY SOUTH APP/DEP CON 118 2

AIRPORT REMARKS: Unattended, Arpt CLOSED Oct 1 thru Jun 1, Wind cone mounted on 50' self supporting tower. 1 N UTC-8(-7DT) N48°42.50′ W122°54.64′ SEATTLE B S3 FUEL 100LL TPA-1031(1000) NOTAM FILE ORS L-1E RWY 16-34: H2900X60 (ASPH-AFSC) MIRL IAP S-12.5RWY 16: REIL. VASI(V4L)—GA 2.9° TCH 35'. RWY 34: REIL. PAPI(P2L)-GA 4.0° TCH 28'. Trees. Rgt tfc. AIRPORT REMARKS: Attended 1600-0030Z±. Self svc 24 hr fuel avbl with credit card. Deer on and invof rwy. Noise

abatement procedures in effect, ctc arpt manager 360-376-5285. Additional transient tiedowns south of

segmented circle. PAPI baffled W of centerline, lateral coverage has been narrowed to avoid obstacles, during

decent close alignment to rwy centerline is necessary. ACTIVATE VASI Rwy 16, REIL Rwy 16 and Rwy 34 and twy lgts-128.25.



152 WASHINGTON

RWY 25. P_line RWY 11-29: H4301X150 (CONC) S-35, D-57, 2D-100

ELLENSBURG BOWERS FLD

1764 R

ELN.

RWY N7. Tree

MIRL 0.4% up NW

S4 FUEL 100LL JET A TPA-2598(834) NOTAM FILE ELN RWY 07-25: H5590X150 (ASPH) S-28 0.8% up E

RWY 29: REIL, PAPI(P2R)-GA 3.0° TCH 40'. AIRPORT REMARKS: Attended Mon-Fri 1500-0300Z±. Sat-Sun

1500-0200Z±. Rwv 07-25 CLOSED Dec 15-Feb 28. no maintenance avail. Rwy 07-25 has weeds growing through cracks in payement first 2000', ACTIVATE MIRL Rwv 11-29-123.0.

WEATHER DATA SOURCES: ASOS 118.375 (509) 925-2040. HIWAS 117.9

(ELN) 2 N UTC-8(-7DT) N47°01.98' W120°31.84'

COMMUNICATIONS: CTAF/UNICOM: 123 O ELLENSBURG RCO 122.2 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 132.6 RADIO AIDS TO NAVIGATION: NOTAM FILE FLN

ELLENSBURG (H) VORTACW 117.9 ELN Chan 126 N47°01.46' W120°27.50' 259° 3.0 NM to fld. 1770/21E. HIWAS.

5590 X 150

ELMA MUNI

(4W8) 35 B TPA-835(800) NOTAM FILE SEA RWY 07-25: H2280X30 (ASPH) MIRL (NSTD)

RWY 07: Trees. Rgt tfc. RWY 25: Thid dspicd 180' Trees. AIRPORT REMARKS: Unattended. Rwy 07-25 NSTD MIRL. Rwy 25 dsplcd thid unigtd, 2095' of Rwy 07-25 avbl for ngt ops. Rwy 07-25 disregard white X's on rwy. Rwy 07-25 very narrow faded centerline stripe, rwy 1D NSTD

dimensions. ACTIVATE NSTD MIRL Rwy 07-25-CTAF. COMMUNICATIONS: CTAF/UNICOM 122.8 ELWHA

1 SW UTC-8(-7DT) N46°59.43′ W123°25.78′ **SFATTLE**

NOTAM FILE CLM.

SEATTLE

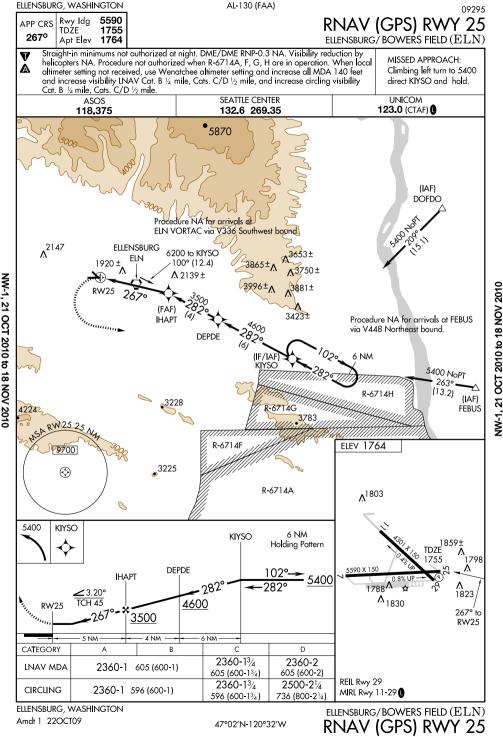
SEATTLE

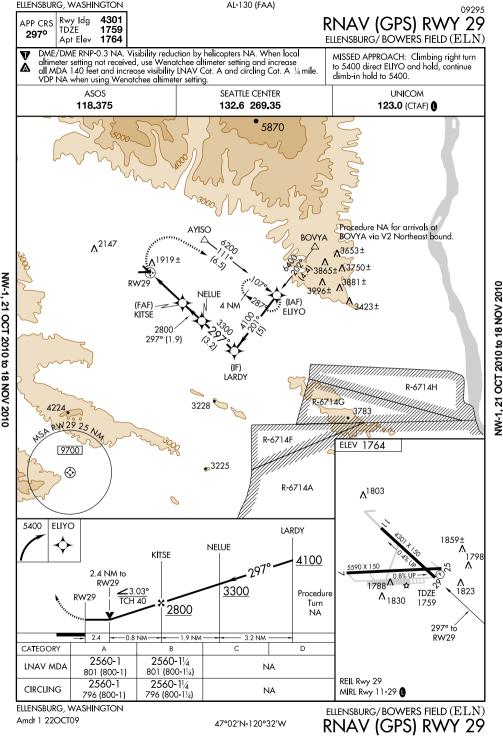
IAP

H-1C, L-13A

N48°09.01' W123°40.22'. NDB (MHW/LOM) 515 CL 083° 7.1 NM to William R. Fairchild Intl. NDB unusable 100°-235° beyond 12 NM.

I-1F





Amdt 3A 10070 47°02'N-120°32'W

ELLENSBURG/ BOWERS FIELD (1

NW-1, 21 OCT 2010 to 18 NOV 2010

SFATTI F

IAP

H-1C, L-13A

WASHINGTON

MIRI

EPHRATA MUNI (EPH) 2 SE UTC-8(-7DT) N47°18.48' W119°31.01'

RWY 03–21: H5500X75 (ASPH) S–60, D–90, 2S–114, 2D–115 RWY 03: PAPI (P4L)—GA 3.0° TCH 40', Ground, Rgt tfc. 0.3% up.

1276 B S2 FUEL 100LL, JET A TPA—See Remarks NOTAM FILE EPH

RWY 21: PAPI (P2L)—GA 3.0° TCH 40'. RWY 11-29: H3843X60 (ASPH) S-40, D-53, 2D-105

RWY 11: REIL. Ground. RWY 29: REIL. PAPI(P2L)-GA 3.0°. TCH 40'.

RWY 04-22: H3467X150 (ASPH)

RWY 22: Rgt tfc. AIRPORT REMARKS: Attended 1530-0000Z‡. Fuel 24 hr credit card svc avbl. Rwv 04-22 for gliders only. Be alert aerobatic acft activity

acft 1526(250). Heavy glider activity from apron area Apr-Oct. ACTIVATE MIRL Rwy 03-21 and MIRL Rwy 11-29 and REIL Rwy 11 and Rwy 29-CTAF. PAPI Rwy 29, Rwy 03 and Rwy 21 opr

continuously. UNICOM monitored intermittently. WEATHER DATA SOURCES: ASOS 135.775 (509) 754-3761. COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.2 (SEATTLE RADIO)

GRANT COUNTY APP/DEP CON 126.4 (1400-0600Z±)

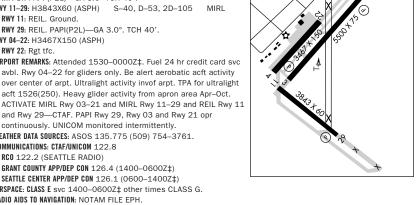
SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z±)

AIRSPACE: CLASS E svc 1400-0600Z± other times CLASS G.

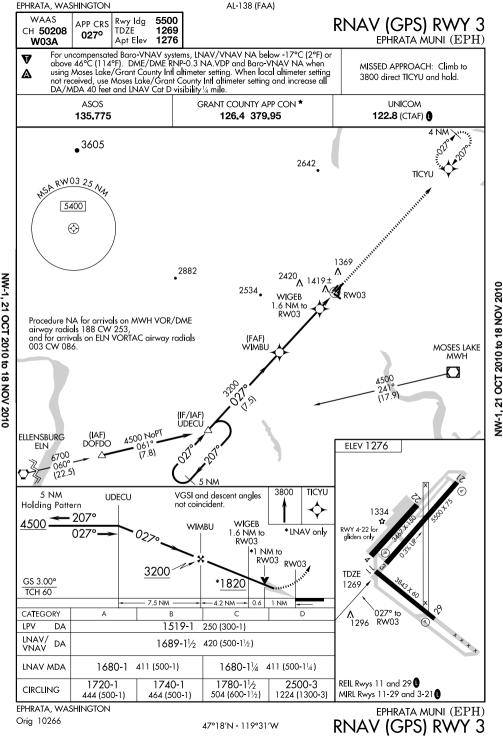
RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

(H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 201° 5.7 NM to fld. 1250/21E. VOR unusable 310°-350° bvd 25 NM blo 6.500'.

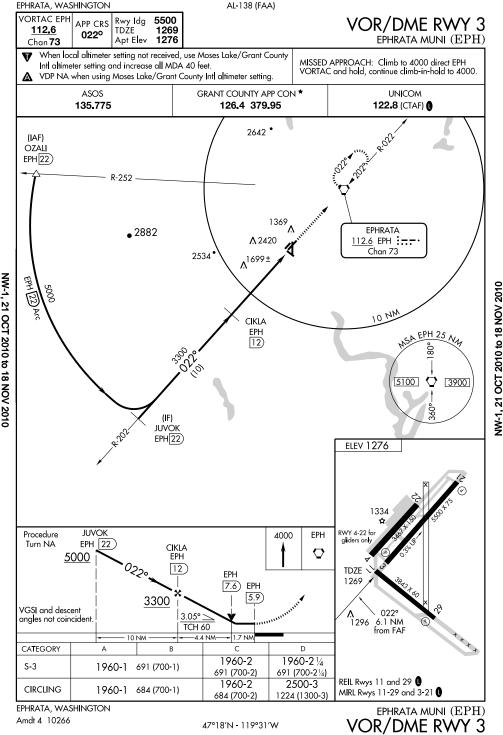
DME portion unusable: 280°-295° bvd 25 NM blo 7.000′.



310°-350° bvd 25 NM blo 6.500'.



WW-1, 21 OCT 2010 to 18 NOV 2010



V

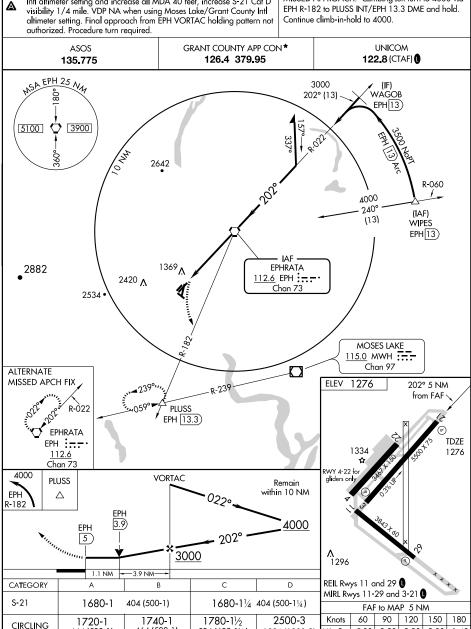
NW-1, 21 OCT 2010 to 18 NOV 2010

AL-138 (FAA)

VOR RWY 21 EPHRATA MUNI (EPH)

WW-1, 21 OCT 2010 to 18 NOV 2010

When local altimeter setting not received, use Moses Lake/Grant County MISSED APPROACH: Climbing left turn to 4000 via Intl altimeter setting and increase all MDA 40 feet, increase S-21 Cat D EPH R-182 to PLUSS INT/EPH 13.3 DME and hold. visibility 1/4 mile. VDP NA when using Moses Lake/Grant County Intl altimeter setting. Final approach from EPH VORTAC holding pattern not Continue climb-in-hold to 4000. authorized. Procedure turn required.



EPHRATA, WASHINGTON

Amdt 19 10266

444 (500-1)

464 (500-1)

3:20 2:30 2:00 EPHRATA MUNI (EPH) VOR RW

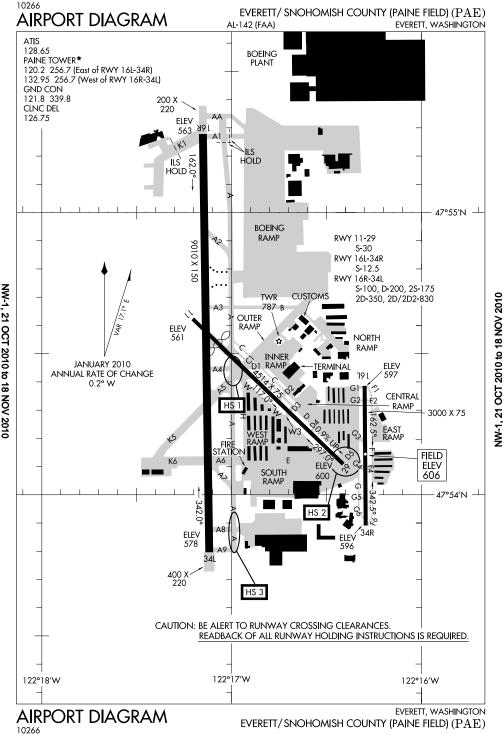
1:40

1224 (1300-3)

Min:Sec

5:00

504 (600-11/2)



154 WASHINGTON

EVERETT

SNOHOMISH CO (PAINE FLD) (PAE) 6 SW UTC-8(-7DT) N47°54.42′ W122°16.89′ S4 FUEL 100LL, JET A OX 1, 3 TPA-See Remarks LRA

NOTAM FILE PAE

HIRL

RWY 16R: MALSR, PAPI(P4R)—GA 2.8°, Rgt tfc. RWY 34L: MALSF, PAPI(P4L) GA 3.0° TCH 75', Trees.

RWY 16R-34L: H9010X150 (ASPH-CONC-GRVD)

ARFF Index—See Remarks

2S-175, 2D-350, 2D/2D2-830

RWY 11-29: H4514X75 (ASPH) S-30 MIRL 0.9% up SE

RWY 11: VASI(V2L)—GA 3.25° TCH 60'. Thid dspicd 799'. Trees.

RWY 29: VASI(V2R)-GA 4.0° TCH 57'. Trees. RWY 16L-34R: H3000X75 (ASPH) S-12.5MIRL

RWY 16L: REIL. PAPI(P2L)-GA 3.0°. Pole. RWY 34R: REIL. PAPI(P2R)-GA 3.0°. Pole. Rgt tfc.

AIRPORT REMARKS: Attended 1500-0500Z‡. For jet and helicopter fuel after hrs call 425-355-6600. Helicopters prohibited at fueling

islands. Flocks of large and small birds in vicinity of arpt. Class I. ARFF Index B. Arpt CLOSED to air carrier ops with more than 30

passenger seats 0500-1500Z‡ except PPR ctc arpt ops 425-388-5110/5480. For additional ARFF capability ctc arpt ops

425-388-5110, Rwy 11-29 and Rwy 16L-34R CLOSED between 0500-1500Z‡. First 1000' of Rwy 16R is concrete. Large acft fly

IAP, AD €3 Rwy 16L-34R: 3000 X 75

SEATTLE

H-1B. L-1D

W pattern over water, small acft fly E pattern over arpt. Be alert for converging tfc on base to final legs Rwys 16R-34L 0500-1500Z‡. Training flights discouraged after 0600Z‡. Rwy 16R-34L touch-and-go ldgs prohibited Mon-Fri 1500-1700Z±, Rwy 16L-34R and Rwy 11-29 limited to

helicopters 8,000 lbs or less. Twy A-2 restricted to 30,000 lbs. Avoid overflight of Boeing ramp NE corner of arpt due to JET blast. Rwy 34L departures discouraged in calm wind conditions. Avoid intersection departures from Rwy 16L-34R and Rwy 29. Avoid intersection departures from Rwy 11 except from Twy Delta 1 intersection. Twy Echo Igts OTS indef. Areas not visible from twr include E edge of S 1200' of Twy A, Twy E from SE corner of west hangars to Twy A, mid section of outer terminal ramp, Twy H from NW edge of west hangars to Twy E, NE

S-100. D-200.

edge of inner terminal ramp. Noise sensitive arpt, for noise abatement procedures and tfc procedures call arpt ops 425-388-5125. It is requested that pilots adhere to the following noise abatement procedures unless otherwise instructed by twr. itinerant arrival and low apph of small acft over 250 horsepower authorized on Rwy

29. Rwv 16L and Rwv 34R. Itinerant departure of small acft over 250 horsepower on Rwv 11 and Rwv 34R. If

access to Boeing ramp required ctc Boeing Flight Dispatch 206-655-3421 for approval during normal duty hours. TPA-1606 (1000) for light acft, 2006 (1400) for heavy acft. When twr clsd ACTIVATE HIRL Rwy 16R-34L, MALSR Rwy 16R and PAPI Rwy 34L—CTAF, Landing fee for acft over 30,000 lbs GWT.

WEATHER DATA SOURCES: ASOS (425) 355-6192. LAWRS.

COMMUNICATIONS: CTAF 132.95 ATIS 128.65 (425)355-9797. UNICOM: 122.95

PAINE RCO 122.55 (SEATTLE RADIO)

(R) SEATTLE CENTER APP/DEP CON 128.5

PAINE TOWER 132.95 (acft arrival W of centerline or departure Rwy 16R-34L) 120.2 (acft arrival E of centerline or departure Rwy 16L-34R) (1500-0500Z‡) GND CON 121.8 CLNC DEL 126.75 AIRSPACE: CLASS D svc 1500-0500Z± other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' at fld. 670/20E.

RITTS NDB (LOM) 396 PA N48°03.17' W122°17.33' 158° 8.8 NM to fld.

ILS 109.3 I-PAE Rwv 16R Class IE. LOM RITTS NDB, LOC/GS unmonitored (0500-1500Z‡) COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

HOT SPOTS

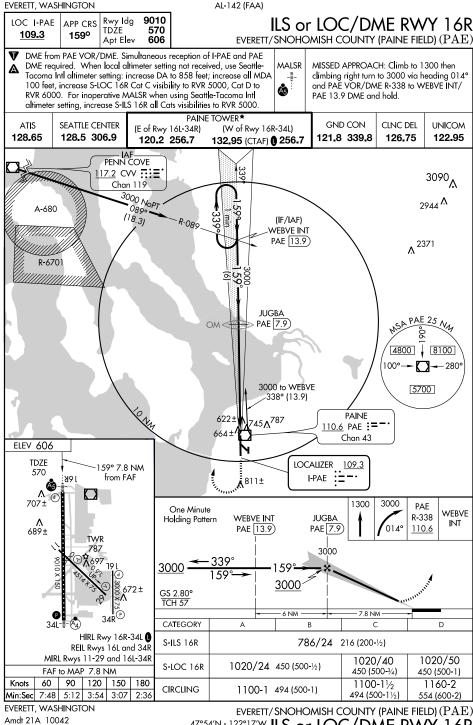
An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

increased risk has been reduced or el		t spots will remain charted on airport diagrams until such time
CITY/AIRPORT	HOT SPOT	DESCRIPTION*
BILLINGS, MT		
BILLINGS LOGAN		
INTL (BIL)	HS 1	Rwy 28R hold line at an unusual location at east edge of run up area.
	HS 2	Twy H crosses Rwy 07 protected area.
BOISE, ID		
BOISE AIR TERMINAL/GOWEN		
FLD (BOI)	HS 1	Multiple hold lines visible, left turn at Twy A for departure on Rwy 10L.
CHEYENNE,WY		
CHEYENNE RGNL/JERRY		
OLSON FIELD (CYS)	HS 1	Confusing twy configuration.
EUGENE, OR		
MAHLON SWEET FIELD (EUG)	HS 1	No access to Rwy 34L past Twy A9.
EVERETT, WA		
SNOHOMISH COUNTY		
(PAINE FIELD) (PAE)	HS 1	Hold line for Rwy 11-29 on Twy A4 and Twy A5 int are more than 500' wide.
	HS 2	Rwy 29 thr in close proximity to ramp areas.
	HS 3	Twy A between Twy A8 and Twy A9 not visible from ATCT.
GREAT FALLS, MT		
GREAT FALLS INTL (GTF)	HS 1	No Rwy 21 access beyond A1.
	HS 2	A3 aligned with Rwy 25, wrong rwy departure risk.
IDAHO FALLS, ID		
IDAHO FALLS RGNL (IDA)	HS 1	Rwy 17-35 Twy C hold bars.
	HS 2	Twy A1 and Rwy 20 apch hold bar.
	HS 3	Rwy 17 and Twy A hold bar.
LEWISTON, ID		
LEWISTON-NEZ PERCE		
COUNTY (LWS)	HS 1	Twy C and Twy G int close proximity to Rwy 12-30.
	HS 2	Twy G between Rwy 08-26 and Rwy 30 thr. Short distance between rwys.
PORTLAND, OR		, ,
PORTLAND INTL (PDX)	HS 1	Limited wing-tip clearance at twy convergence point.
SALEM, OR		
MCNARY FLD (SLE)	HS 1	When the ATCT is closed aircraft should not hold at this position if traffic is arriving or departing Rwy 13-31.

21 OCT 2010 to 18 NOV 2010

10266			
HOT SPOTS			
(CONTINUED)			
CITY/AIRPORT	HOT SPOT	DESCRIPTION*	
CITY/AIRPORT SEATTLE, WA BOEING FIELD/ KING COUNTY INTL (BFI) SEATTLE, WA SEATTLE-TACOMA INTL (SEA)	HS 1 HS 2 HS 1	Twy Z restricted access area. Rwy 13R-31L and Twy A9. Wrong rwy departure risk. Aircraft exiting Rwy 34R via Twy H then Twy J; limited distance between rwys.	
*See appropriate A/FD, Ala:	ska or Pacif	ic Supplement HOT SPOT table for additional information.	



NW-1, 21 OCT 2010 to 18 NOV 2010

WW-1, 21 OCT 2010 to 18 NOV 2010

ATIS 128.65 CLNC DEL

126.75

GND CON

121.8 339.8

128.5 306.9

NW-1, 21 OCT 2010 to 18 NOV 2010

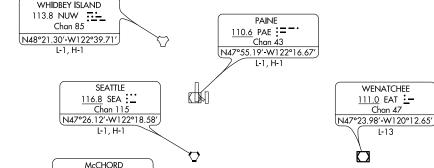
PAINE TWO DEPARTURE

WHATCOM <u>113.0</u> HUH ::∺ Chan 77 N48°56.72′-W122°34.76′ L-1. H-1

PAINE TOWER * 120.2 256.7 (E of Rwy 16L-34R) 132.95 (CTAF) 256.7 (W of Rwy 16R-34L) SEATTLE CENTER

TAKE-OFF MINIMUMS Rwys 16R, 34L, 34R: Standard.

Rwys 11, 16L, 29: 300-1.



L-1, H-1

109.6 TCM **Ξ**:_ Chan 33

N47°08.86′-W122°28.50′

N47°01.46′-W120°27.51′ L-13, H-1

YAKIMA

116.0 YKM **ΞΞΞ** Chan 107

N46°34.22′-W120°26.68′

ELLENSBURG

117.9 ELN :-..

Chan 126

TAKE-OFF OBSTACLE NOTES

HOQUIAM 117.7 HQM ==.-

Chan 124

N46°56.82′-W124°08.96′

L-1, H-1

Rwy 11: 72' AGL tree 1160' from DER, 600' left of centerline. Rwy 16L: 68' and 101' AGL trees 1040' to 1820' from DER, 480' to 560' left of centerline. Rwy 29: 56', 69', 101', 128' AGL trees 340' to 2140' from DER.

NOTE: Center may assign initial heading to be flown and vector departures in all quadrants within 10 miles of the Paine Airport provided no altitude restrictions are imposed prior to reaching MVA.

OLYMPIA

113.4 OLM .__.

Chan 81

N46°58.30′-W122°54.11

L-1. H-1

NOTE: Chart not to scale.

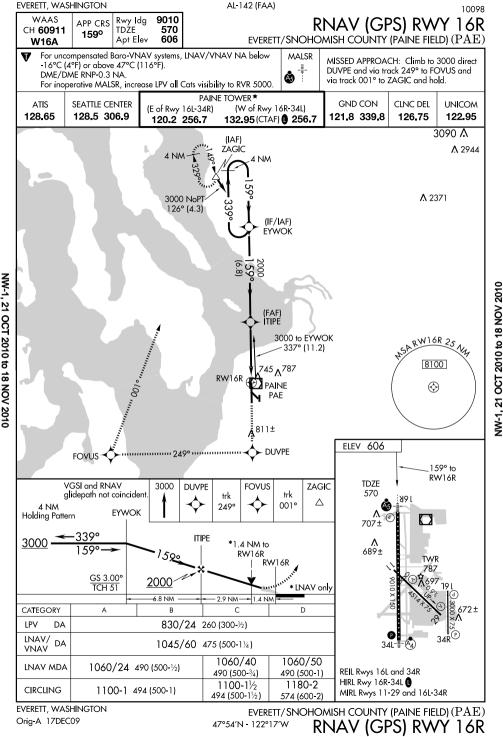
V DEPARTURE ROUTE DESCRIPTION

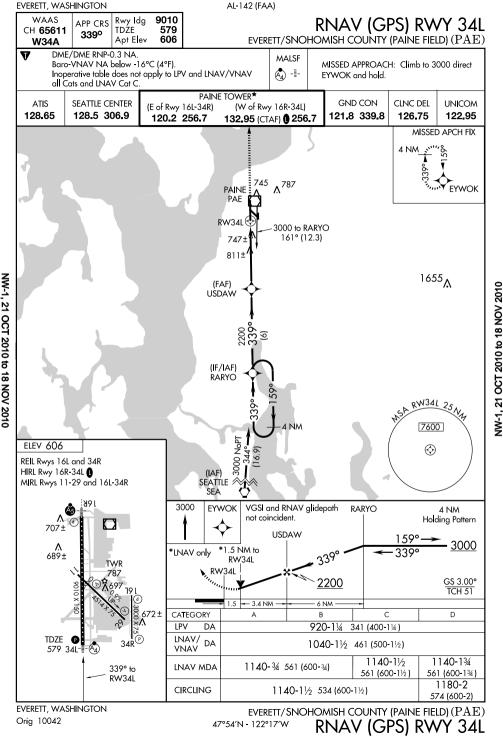
Fly Runway heading or as assigned; expect vectors to join assigned route.

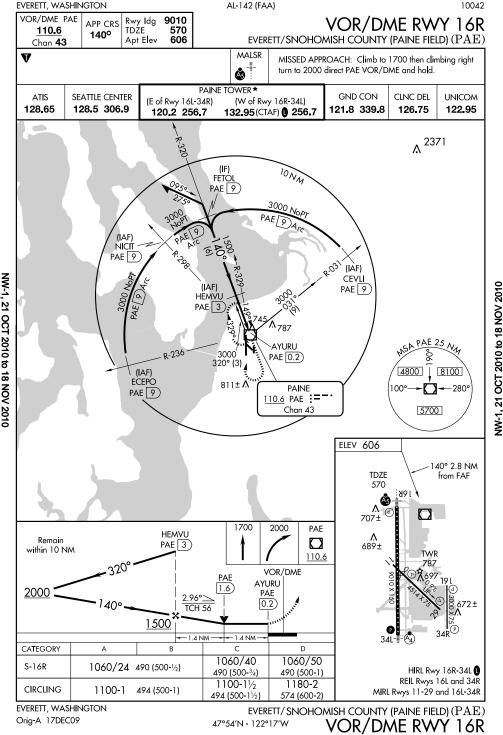
Maintain assigned altitude; expect filed altitude/flight level five minutes after departure.

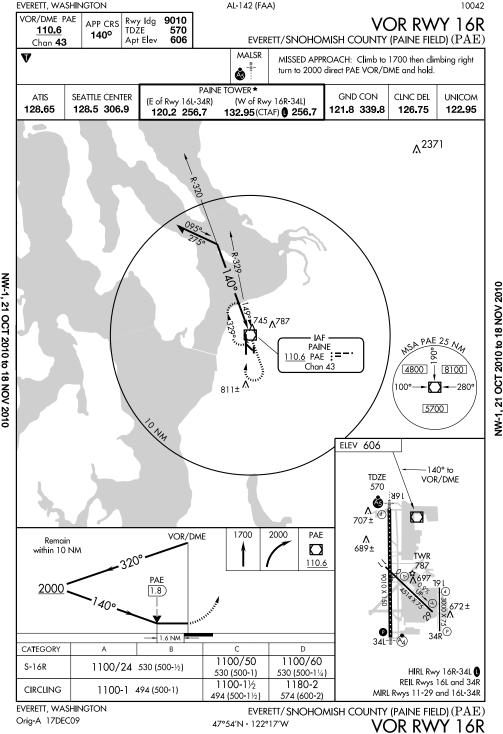
LOST COMMUNICATIONS: If not in contact with SEATTLE CENTER upon reaching 2000', continue climb to assigned altitude and proceed direct to PAE VOR/DME. Thence via assigned route.

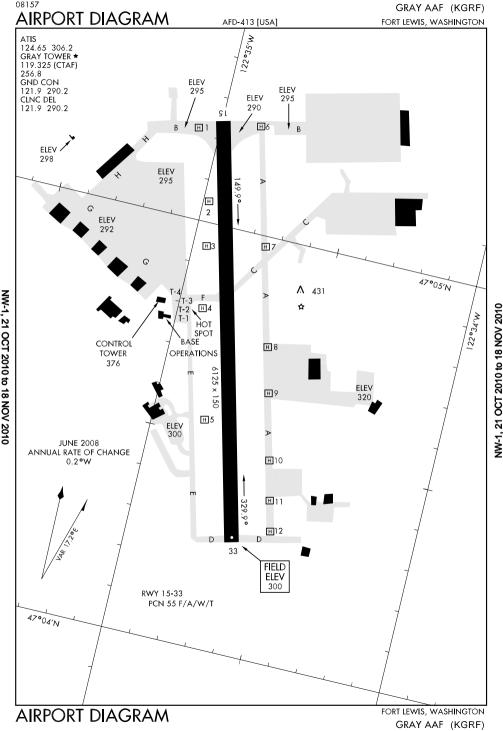
PAINE TWO DEPARTURE











MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Remarks, RSTD 48 hr PPR transient acft, DSN 357-6628/5998, C253-967-6628/5998. CAUTION High volume of personnel/vehicles with negative radio communication on ground control crossing Twy G and Twy H. Numerous small arms 0.8 NM E of afld. TFC PAT TPA—E/W tfc, multi-engine fixed wing 1500(1200), single engine fixed wing 1300(1000), rotary wing 1000(700). Unmanned aerial vehicles 1000(700), west tfc only. MISC Special VFR Day fixed wing 700-1, rotary wing 300-1/2. Night fixed wing not authorized, rotary wing 500-1. Acft conducting tactical opr on Fort Lewis military reservation ctc OPS prior to opr. Ctc Gray tfc on CTAF when twr closed. No hangar for transient acft. Runway condition reading will be reported Mon-Fri, 1500-2300Z‡ via NOTAM and ATIS during inclement winter weather, WX observation visibility is limited to 2 SM in some directions. Wx observation automated by AN/FMQ-19, WX observation augmented/backup as required. Twy E unusable to C-17 and larger acft. East ramp parking limited to C-12/UC-35/C-21 and smaller acft. AR Ctc OPS DSN 357-3036, C253-967-3036.

ARNG Opr Tue-Fri 1430-0100Z‡ except holidays. Transient alert not avbl. Ltd parking. PPR for acft rqr fuel and parking, DSN 323-3805, C253-912-3805. COMMUNICATIONS: CTAF 119.325 ATIS 124.65 306.2 BULLSEYE RADIO 34.6 Opr continuously, exc holidays R SEATTLE APP/DEP 120.1 290.9 **TOWER** 119.325 256.8 276.4 (continuous, except holidays) GND CON 121.9 290.2 CLNC DEL 121.9 290.2 briefings for transient air crews avbl from 25 Operational Weather Squadron, Davis-Monthan AFB, DSN 228-6598) OPS 41.50 138.6 AR OPS 36.10 ARNG OPS 32.6 AIRSPACE: CLASS D syc continuous, except holidays, other times CLASS E.

PMSV METRO 134.1 38.45 Full svc continuous, except holidays. Full svc may vary with local flight schedule. WX RADIO AIDS TO NAVIGATION: NOTAM FILE SEA LACOMAS NDB (MHW) 328 LAC N47°00.48' W122°33.39'

329° 4.4 NM to fld. Unmonitored holidays.

GRF N47°08.99' W122°36.27' GRAYE NDB (MHW) 216 147° 4.4 NM to fld. Unmonitored holidays.

ILS/DME 108.3 I-GRF Chan 20 Rwy 15. LOM GRAYE NDB Unmonitored holidays.

PAR Opr Mon-Fri 1600-0759Z‡ except federal holidays. COMM/NAV/WEATHER REMARKS: All rotary wing acft ctc Bullseve Radio prior to entry R6703A-D.

GRAYE NOTAM FILE SEA. SFATTI F

N47°08.99' W122°36.27'. NDB (MHW) 216 GRF L-1D 349° 7.2 NM to Tacoma Narrows. Unmonitored holidays.

GREENWATER

RANGER CREEK (21W) 10 SE UTC-8(-7DT) N47°00.77′ W121°32.02′ SFATTI F

2650 NOTAM FILE SEA

RWY 15-33: H2875X30 (ASPH)

RWY 15: Trees. RWY 33: Trees.

AIRPORT REMARKS: Unattended. Arpt CLOSED Oct 1 to Jun 1. Pedestrians, vehicles and animals on and invof rwy.

USFS campgrounds east and north of rwy.

COMMUNICATIONS: CTAF 122.9

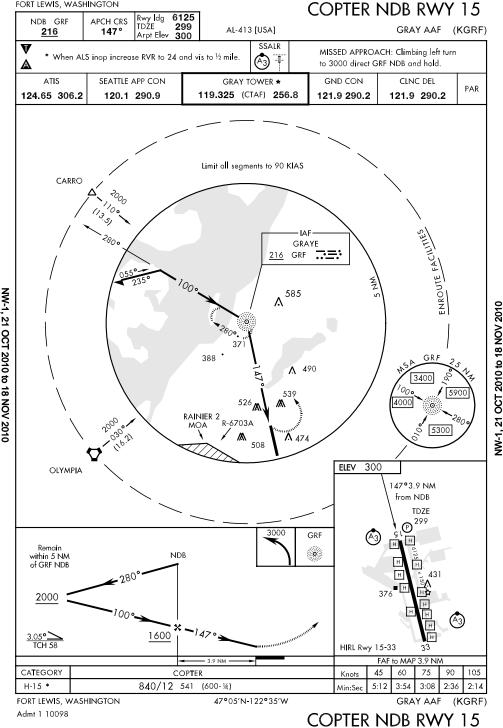
GROVE FLD (See CAMAS)

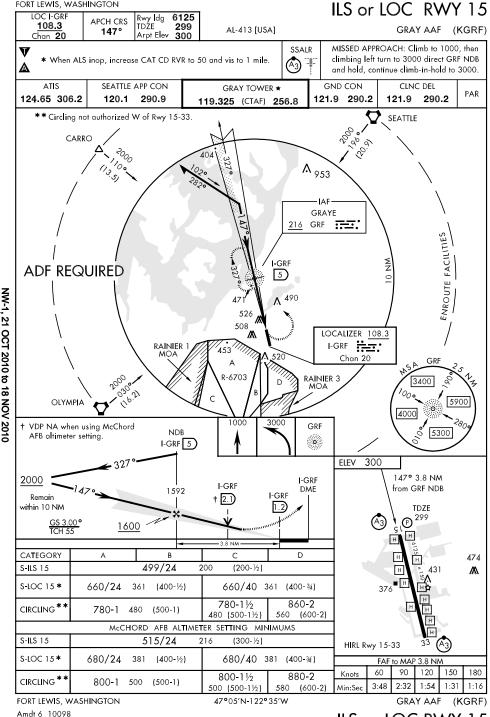
HARVEY FLD (See SNOHOMISH)

RCO 122.2 (SEATTLE RADIO)

HOQUIAM N46°56.82' W124°08.96' NOTAM FILE HQM. SEATTLE

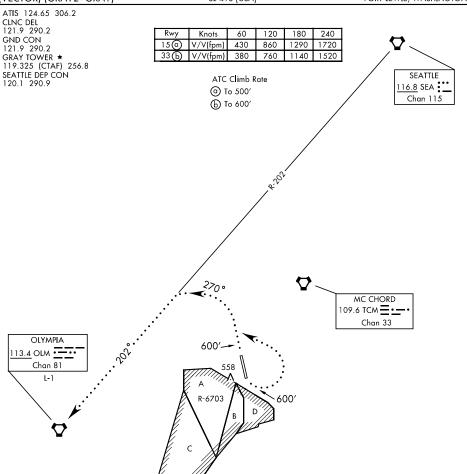
(H) VORTACW 117.7 HOM Chan 124 062° 8.9 NM to Bowerman, 10/19E, HIWAS. H-1B, L-1D





Amdt 6 10098

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TAKE-OFF RUNWAY 15 AND 33:

NW-1, 21 OCT 2010 to 18 NOV 2010

V

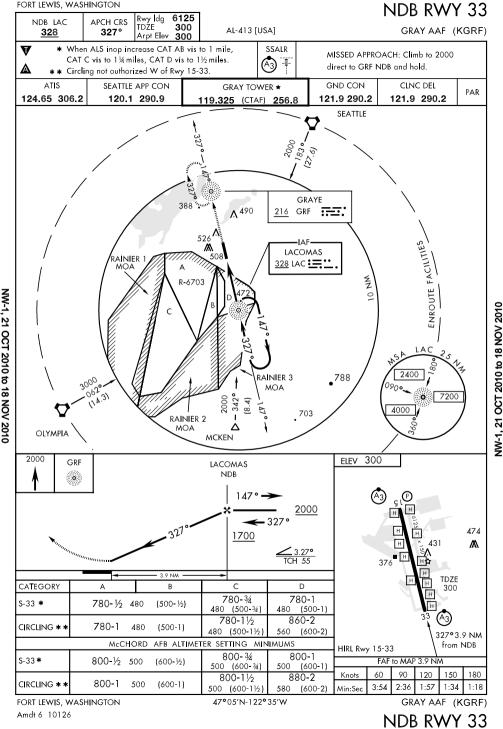
Climb via runway heading to 600′, then turn left (unless otherwise directed by ATC) heading 270 for vectors to assigned route. Maintain altitude as assigned by ATC. Expect filed altitude within five minutes after departure.

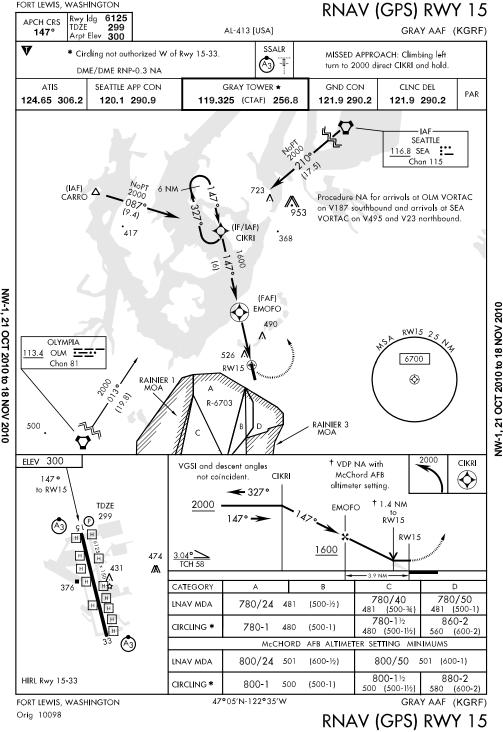
DEPARTURE ROUTE DESCRIPTION

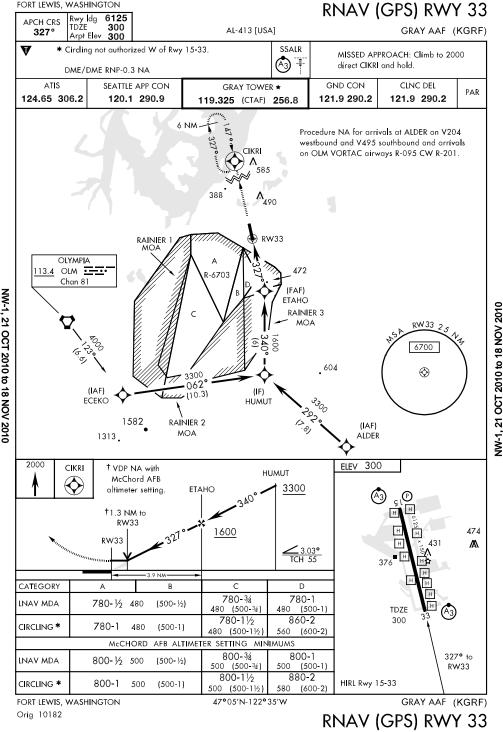
LOST COMMUNICATIONS: If no transmissions are received within three minutes after departure, continue climb to assigned altitude, intercept and proceed via SEA R-202 to OLM VORTAC, thence via assigned route.

Amdt 20 10098

NW-1, 21 OCT 2010 to 18 NOV 2010







WASHINGTON 156 FORT LEWIS (See GRAY AAF-JOINT BASE LEWIS-MCCHORD)

FRIDAY HARBOR

FRIDAY HARBOR (FHR) 0 SW UTC-8(-7DT) N48°31.32′ W123°01.46′

S4

RWY 16-34: H3402X75 (ASPH)

S-12.5 RWY 16: PAPI(P4R)-GA 4.0° TCH 38', Building, Rgt tfc. RWY 34: REIL. PAPI(P4L)-GA 3.5° TCH 40'. Trees. Rgt tfc.

FUEL 100 LRA NOTAM FILE FHR

MIRL

0.8% up N

AIRPORT REMARKS: Attended 1600-0100Z‡. Fuel system self svc with credit card. Noise abatement procedures in effect ctc arpt

manager 360-378-4724. Preferred Rwy 16 in calm wind conditions. Due to high concentration of tfc invof arpt recommend

ldg lgts or forward visibility lgts turned on while utilizing arpt. Rwy 16 PAPI baffled W of centerline, lateral coverage has been

narrowed to avoid obstacles during descent, maintain highest possible altitude and close alignment to rwy centerline. Acft in excess of 12,500 lbs charged fee based on weight and time of

year-ctc arpt manager for information. Soft ground between tiedowns west parking area. Limited transient parking avbl during summer. ACTIVATE MIRL Rwy 16-34 and REIL Rwy 34-CTAF.

ACTIVATE rotating bcn—CTAF, Ldg fee—Acft in excess of 12,500 lbs charged, fee based on weight—ctc arpt manager for info. WEATHER DATA SOURCES: ASOS 135.675 (360) 378-8491.

COMMUNICATIONS: CTAF 128.25 (R) WHIDBEY APP/DEP CON 118.2 RADIO AIDS TO NAVIGATION: NOTAM FILE BLI.

WHATCOM (H) VORTACW 113.0 HUH

HIWAS. NDB (MHW) 284

€3

X 75

(P

34

SEATTLE

L-1E IAP

Chan 77 N48°56.72′ W122°34.76′ 195° 31.0 NM to fld. 83/20E. FHR N48°30.73′ W123°01.43′ at fld. NOTAM FILE FHR.

agaaa

Ø

FRIDAY HARBOR SPB (W33) 0 NE UTC-8(-7DT) N48°32.24′ W123°00.58′ IRA NOTAM FILE SEA WATERWAY 03-21: 10000X2000 (WATER)

WATERWAY 12-30: 6000X1000 (WATER) SEAPLANE REMARKS: Unattended, All tkfs should be performed N of Browns Island, Seaplanes ops warning lgts OTS

indef. US customs user fee arpt. Flight Notification Service (ADCUS) available. COMMUNICATIONS: CTAF 128 25

GOHEEN

GRANT CO

(See BATTLE GROUND)

GOLDENDALE (S2Ø) 1 NW 1678 В NOTAM FILE SEA RWY 07-25: H3491X40 (ASPH) S-4

RWY 07: REIL. Fence.

AIRPORT REMARKS: Unattended. NSTD white line crosses rwy near Rwy 07 marking. NSTD white line crosses rwy near Rwy 25 marking. COMMUNICATIONS: CTAF 122.9

KLICKITAT (H) VORW/DME 112.3

HIWAS. **GRAND COULEE DAM**

(See MOSES LAKE)

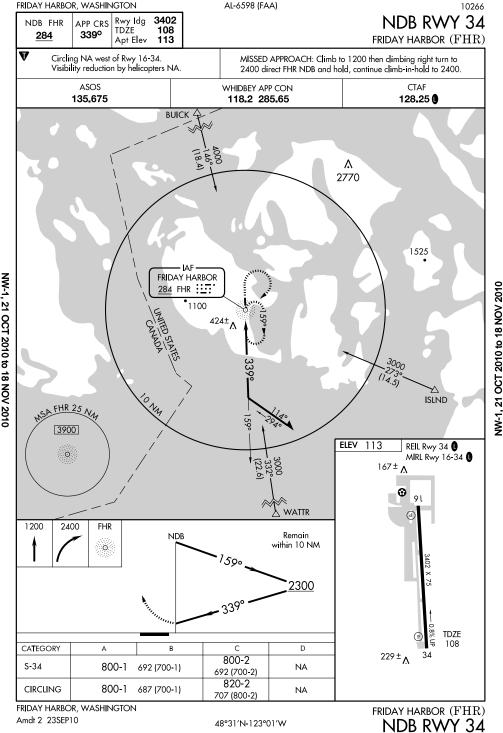
UTC-8(-7DT) N45°49.93' W120°50.72' MIRL RWY 25: REIL. SAVASI (S2L). Thid dsplcd 330'. Trees.

RADIO AIDS TO NAVIGATION: NOTAM FILE DLS.

LTJ Chan 70 N45°42.81' W121°06.05' 035° 12.9 NM to fld. 3220/21E.

SEATTLE SEATTLE L-13A

(See ELECTRIC CITY)



RNAV (GPS) RWY 34 WAAS 3402 Rwy Ida APP CRS CH 40024 108 TDŹE 337° FRIDAY HARBOR (FHR) Apt Elev 113 **W34A** V DME/DME RNP-0.3 NA. Circling not authorized west of Rwy 16-34. MISSED APPROACH: Climb to 5000 direct Baro-VNAV NA below -30°C (-22°F). TIYUG and via 077° track to WOBED When VGSI inoperative, procedure NA at night. and via 133° track to ISLND and hold. ASOS WHIDBEY APP CON **CTAF** 135,675 118.2 285.65 128.25 TIYUG BUICK / NSA RW34 25 N4 WOBED 3900 4000 to UGTAW 1525 150° (29) \bigcirc 1100 307± (RW34 303± A NW-1, 21 OCT 2010 to 18 NOV 2010 (FAF) **DFUCA** 2000 337, 2000 NoPT 247° (5) (IAF) (IF/IAF) ÙĠTAW (IAF) 4 NM PENN COVE CVV 2000 NoPT ELEV 113 327° (12) 167±∧ Procedure NA for arrivals at WATTR (IAF) via V495 southeast bound WATTR 5000 TIYUG 0 WOBED 91 ISLND 4 NM 077° 133° Holding Pattern TRK TRK Δ **UGTAW DFUCA** 337° RW34 2000 GS 3.50° TCH 40 5 NM 6 NM CATEGORY D LPV DA 500-11/4 392 (400-11/4) NA **TDZE** LNAV/ DA 108 580-11/2 472 (500-11/2) NA 229 ± A 34 640-11/2 LNAV MDA 640-1 532 (600-1) NA 337° to 532 (600-11/2) RW34 REIL Rwy 34 1 800-2 CIRCLING 780-11/2 NA 667 (700-11/2) MIRL Rwy 16-34 (687 (700-2) FRIDAY HARBOR, WASHINGTON FRIDAY HARBOR (FHR) Amdt 1 10070 48°31′N-123°01′W RNAV (GPS) RWY 34

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AL-6598 (FAA)

FRIDAY HARBOR, WASHINGTON

WASHINGTON 158 HOQUIAM BOWERMAN (HQM) 2 W UTC-8(-7DT) N46°58.27′ W123°56.19′ SEATTLE FUEL 100LL, JET A1+ LRA NOTAM FILE HOM H-1B. L-1D RWY 06-24: H5000X150 (ASPH) S-30, D-40, 2D-80 IAP RWY 06: REIL. VASI(V4R)-GA 3.0° TCH 52'. Tree. Rgt tfc. ଓ ଓଡ଼େଓ RWY 24: MALSR. VASI(V4L)-GA 3.0° TCH 50'. AIRPORT REMARKS: Attended Mon-Fri 1700-0100Z‡. 100LL avbl 24 hrs a day with Credit Card. For Jet A call 360-533-6655 between 1700-0100Z‡ or call 360-310-0201 between 0100-1700Z‡. Flocks of waterfowl on and in vicinity of arpt. 103' crane 0.2 NM southwest of AER 24. Service road south of rwy in primary surface. Ultralights prohibited without written permission from 111111 **#** \$ arpt manager. ACTIVATE HIRL Rwy 06-24, MALSR Rwy 24 and REIL Rwv 06-CTAF. WEATHER DATA SOURCES: ASOS 135.775 (360) 538-7021. HIWAS 117.7 HOM COMMUNICATIONS: CTAF/UNICOM 122.7 RCO 122.2 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 128.3 AIRSPACE: CLASS E svc 1400-0600Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE HOM. HOQUIAM (H) VORTACW 117.7 HQM Chan 124 N46°56 82' W124°08.96' 062° 8.9 NM to fld. 10/19E. HIWAS. ABERN NDB (LOM) 236 HQ N46°59.26' W123°47.86' 241° 5.8 NM to fld. LOM unusable 150°-180° byd 10 NM **ILS/DME** 108.7 I-HQM Chan 24 Rwy 24 LOM ABERN NDB. LOM unusable 150°-180° byd 10 NM. HOSKINS FLD (See OLYMPIA) **ILWACO**

PORT OF ILWACO (7W1) 2 E UTC-8(-7DT) N46°18.90' W124°00.23' SEATTLE NOTAM FILE SEA RWY 10-28: H2080X50 (ASPH) S-5MIRL RWY 28: PAPI(P2L)—GA 4.0°. Thid dsplcd 300'. Road.

AIRPORT REMARKS: Unattended, ACTIVATE MIRL Rwv 10-28-CTAF. **COMMUNICATIONS: CTAF 122.9** IONE MUNI 2 S UTC-8(-7DT) N48°42.48' W117°24.78' (S23)

2108 B NOTAM FILE SEA RWY 15-33: H4059X45 (ASPH) MIRI RWY 15: Fence.

SEATTLE L-13B RWY 33: PAPI(P2L)-GA 3.0° TCH 35'.

AIRPORT REMARKS: Unattended. Wildlife invof rwy. MIRL Rwy 15-33 pilot controlled lighting med and high ints out of svc indefinitely. ACTIVATE MIRL Rwy 15-33-CTAF.

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90′ W117°37.61′ 346° 69.2 NM to fld. 2756/21E.

HIWAS.

NDB (MHW) 379 ION N48°42.61' W117°24.82' at fld. NOTAM FILE SEA. VFR use only.

HELIPAD H1: H60X60 (CONC) MIRL

JEFFERSON CO INTL (See PORT TOWNSEND)

JUMP-OFF-JOE SEATTLE N46°06.24′ W119°07.92′

RCO 122.4 (SEATTLE RADIO) L-13A

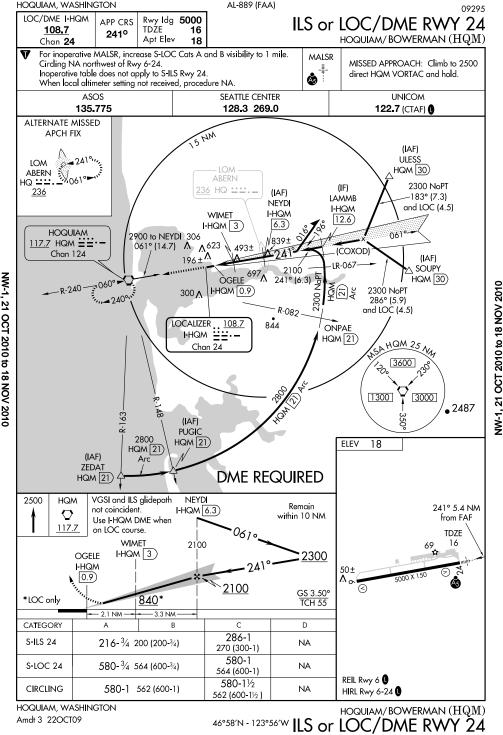
KAHLOTUS

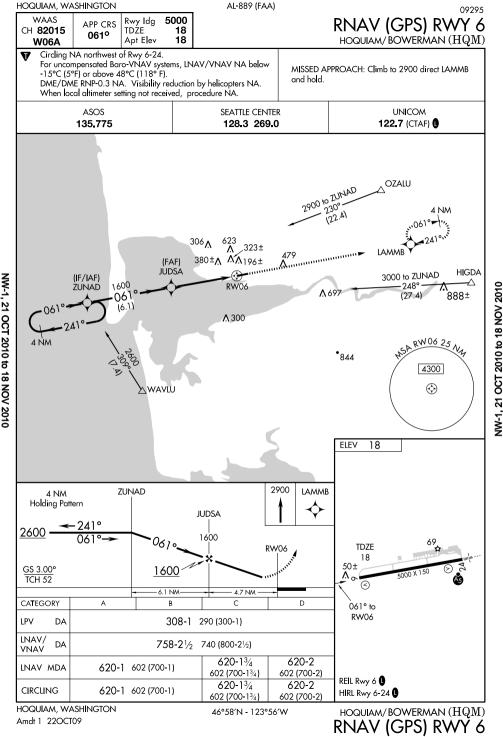
LOWER MONUMENTAL STATE (WØ9) 5 S UTC-8(-7DT) N46°33.03' W118°32.18' SEATTLE 813 NOTAM FILE SEA

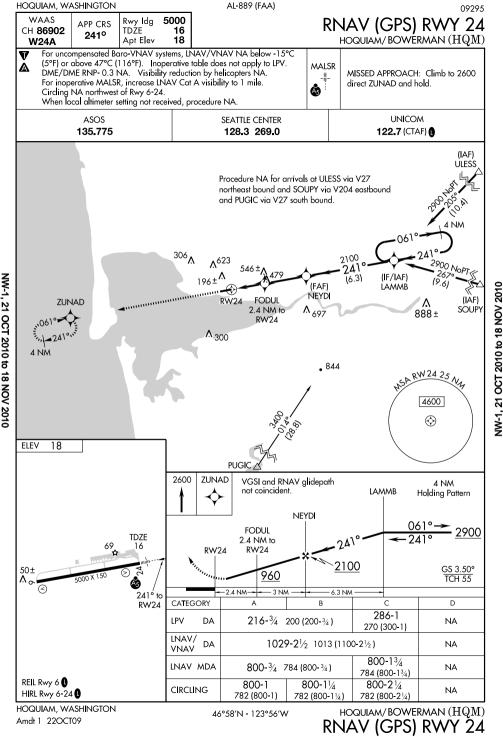
RWY 01-19: 3300X50 (GRVL)

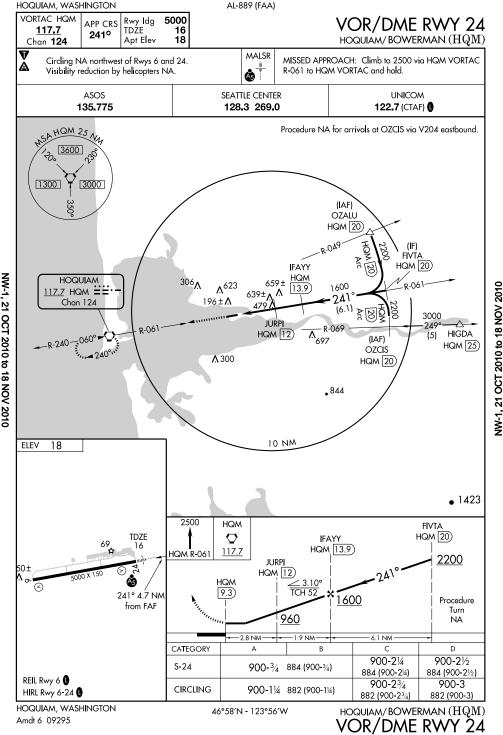
RWY 01: Tower. Rwy 19: P-line. AIRPORT REMARKS: Unattended, CLOSED Oct 1 thru Jun 1, Multiple power lines 0.4 mi NNE of arpt, Rwy marked with retro reflective devices. Rwy 01-19 has steep canyon walls N, E and S. Pedestrians, vehicles and animals on

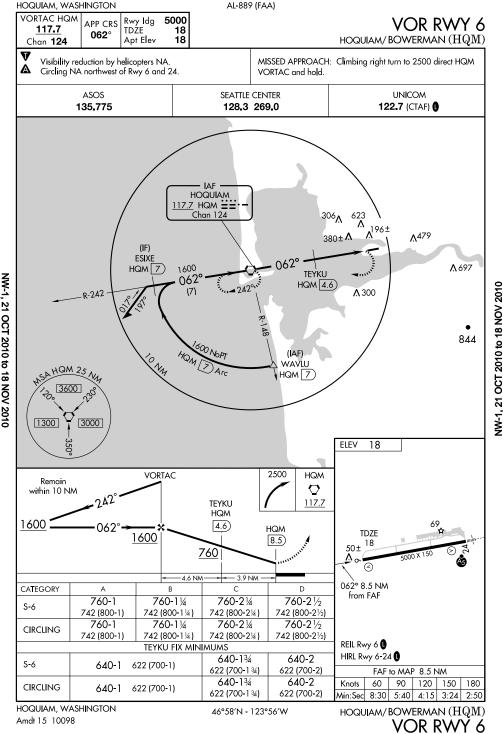
and invof rwy. Portions of rwy sfc rough and soft. Contact Washington State Aviation Division 360-651-6300 or 1-800-552-0666 for facility information prior to using. COMMUNICATIONS: CTAF 122.9











WASHINGTON 159

N46°07.08' W122°53.90'

NDB (MHW) 256 LSO 148° 2.3 NM to Southwest Washington Rgnl. NDB unusable 020°-120°. 120°-180° bvd 15 NM. 180°-340° bvd 10 NM.

FUEL 100LL. JET A LRA

NOTAM FILE KLS

S-38, D-46, 2D-74

KELSO SOUTHWEST WASHINGTON RGNL (KLS)

RWY 30: REIL. PAPI(P4R)-GA 4.0° TCH 40'. Trees. AIRPORT REMARKS: Attended Winter 1600-0100Z‡, Summer

RWY 12-30: H4391X100 (ASPH) RWY 12: REIL. PAPI(P4L)-GA 4.0° TCH 37'. Trees. Rgt tfc.

KELSO

1600-0200Z‡. 24 hr self-service credit card fuel facility. Numerous flocks of birds on and invof arpt. Rwy 12-30 NSTD

spacing MIRL. ACTIVATE MIRL Rwy 12-30-CTAF. Flight

Notification Service (ADCUS) available. WEATHER DATA SOURCES: AWOS-3 135.075 (360) 577-1964. COMMUNICATIONS: CTAF/UNICOM 122.8 RCO 122.25 (SEATTLE RADIO) RCO 122.55 (SEATTLE RADIO)

(R) SEATTLE CENTER APP/DEP CON 124.2

Car Dealership

SFATTLE

L-13A

SEATTLE

SEATTLE

SEATTLE

<mark>ଉ</mark>ପ୍ତ ଓ

L-1C

IAP

TPA-1334 (800) MIRL RWY 20: PAPI(P2L), Pole. AIRPORT REMARKS: Attended Mon-Fri 1600-0200Z‡. Use Rwy 02 when wind 5 knots or less. ACTIVATE MIRL Rwy 02-20-CTAF.

N46°15.78'

Justice Cent

SEAPLANE REMARKS: Attended dawn-dusk. Unlighted crane 75' AGL and pilings 6' above water Waterway 18 8 buoys mark 5 miles per hour speed limit area. Landing zone-unlgtd; seaplanes exempt from 5 miles per hour speed limit. Surface watercraft entering operating area from within channel E of waterway 16-34. Flight Notification

UTC-8(-7DT) N46°13.12′ W119°12.60′ NOTAM FILE SEA

UTC-8(-7DT) N47°45.29' W122°15.56'

2 SE UTC-8(-7DT)

NOTAM FILE KLS

RADIO AIDS TO NAVIGATION: NOTAM FILE PDX. BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87' 309° 25.7 NM to fld. 253/21E. N46°09.33' W122°54.76'

(See SEATTLE)

(S6Ø)

S-26

Chan 21

1 S

NOTAM FILE SEA

LS0

FUEL 100LL, JET A LRA

3 NW

FUEL 100LL, JET A

W122°35.49'

N46°09.33′ W122°54.76′

S4

KELSO NDB (MHW) 256

148° 2.3 NM to fld. NOTAM FILE KLS. NDB unusable 020°-120°, 120°-180° byd 15 NM, 180°-340°

Service (ADCUS) available. COMMUNICATIONS: CTAF/UNICOM 122.7

S4

RWY 02-20: H4008X150 (ASPH)

RWY 02: PAPI(P2L), P-line.

bvd 10 NM.

KENMORE AIR HARBOR SPB

KENMORE AIR HARBOR INC SPB

WATERWAY 16-34: 10000X1000 (WATER) WATERWAY 18-36: 3000X1000 (WATER)

KENNEWICK

VISTA FLD

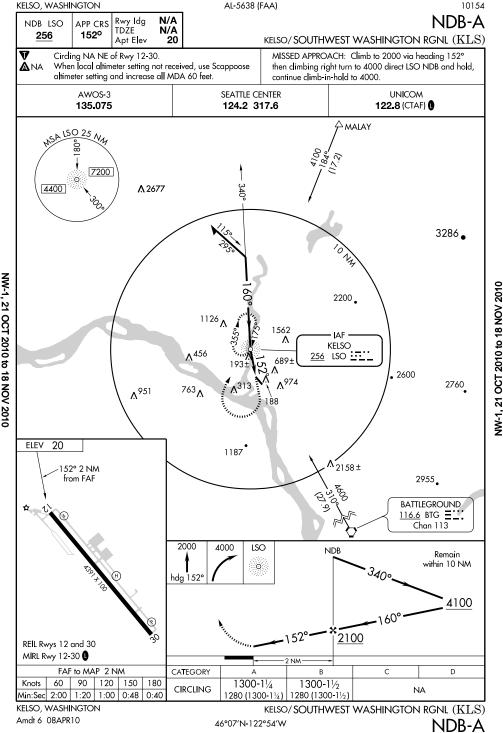
COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

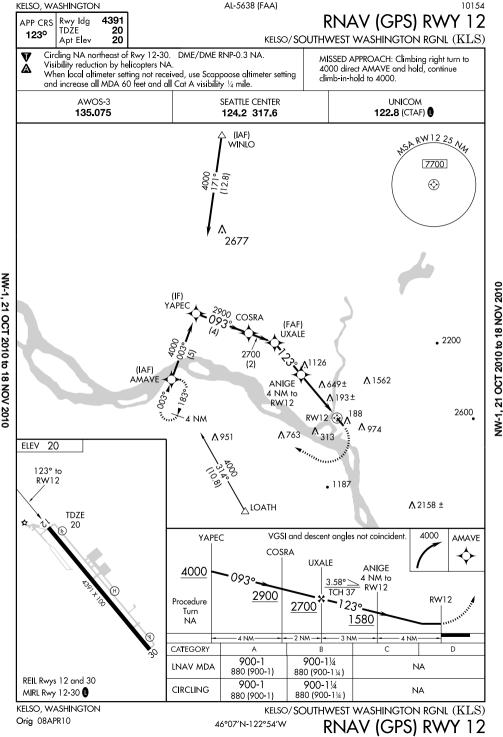
PASCO (L) VORW/DME 108.4

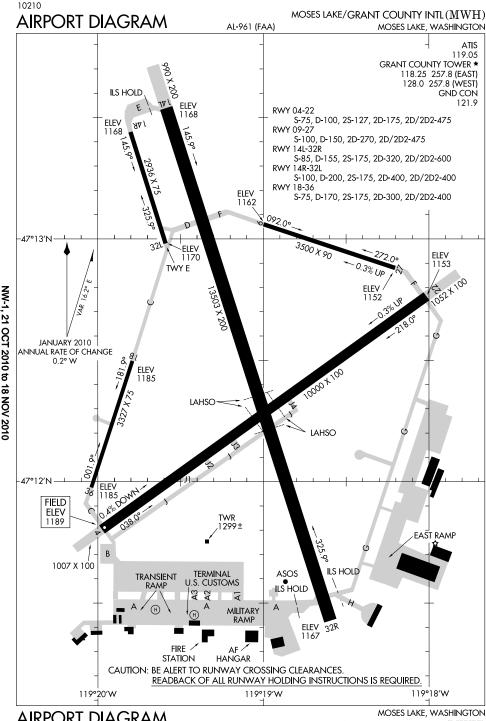
W119°06.94' 216° 4.8 NM to fld. 400/20E.

Parachute Jumping.

PSC







AIRPORT DIAGRAM

NOTAM FILE MWH H-1C. L-13A

SEATTLE

IAP. AD

SEATTLE

SEATTLE

L-1D

WASHINGTON

S-85, D-155, 2S-175, 2D-320, 2D/2D2-600

FUEL 100, 100LL, JET A1 OX 1 ARFF Index—See Remarks

MOSES LAKE GRANT CO INTL (MWH) 5 NW UTC-8(-7DT) N47°12.52′ W119°19.15′

RWY 14L-32R: H13503X200 (ASPH-CONC-GRVD) HIRL (NSTD) RWY 14L: REIL. VASI(V6L)-GA 3.0° TCH 52'. Bldg.

S4

RWY 32R: MALSR. PAPI(P4L)-GA 3.0° TCH 75'. Rgt tfc. RWY 04-22: H10000X100 (ASPH-CONC-GRVD) S-75, D-100, 2S-127, 2D-175, 2D/2D2-475 MIRL

RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 50'. 0.4% down. RWY 22: REIL, VASI(V4L)—GA 3.0° TCH 50', Rgt, tfc. 0.3% up

RWY 09-27: H3500X90 (CONC-GRVD) S-100, D-150, 2S-270, 2D/2D2-475 RWY LGTS (NSTD) 0.3% up NW RWY 27: Rgt tfc. RWY 18-36: H3327X75 (ASPH) S-75, D-170, 2S-175, 2D-300,

2D/2D2-400 MIRL RWY 18: Rgt tfc. RWY 14R-32L: H2936X75 (CONC) S-100, D-200, 2S-175,

2D-400, 2D/2D2-400 RWY 14R: Ground. Rgt tfc. LAND AND HOLD SHORT OPERATIONS LANDING HOLD SHORT POINT DIST AVBL RWY N4 14L-32R 4700

RWY 14L 04-22 7550 RWY 22 14L-32R 4650 RWY 32R 04-22 5050

AIRPORT REMARKS: Attended continuously. Rwy 09-27 CLOSED except military ops. Rwy 14R-32L is CLOSED to all night ops except taxiing. Rwy 14L-32R is CLOSED nights 0600-1400Z‡ except for special military night training

operations. Flocks of large birds in vicinity of arpt. Class I, ARFF Index A. PPR for air carrier ops with more than 30 passenger seats 0600-1400Z‡ or for additional ARFF index level svc call arpt manager 509-762-5363/5304. Rwy 09-27 used as assault strip by C-17 acft. Rwy 09-27 and Twy F not visible from

Rwy distance markers Rwy 14L-32R and Rwy 04-22. Rwy 14L-32R first 10,000' apch end of Rwy 32R grvd 150' wide. Twy G unlighted. Extensive heavy military jet acft night training 1900 PM-0300 AM local daily. Announce landing intentions on CTAF after twr closed. Heavy jet training surface to 5000' within 25 miles of

arpt, possible wake turbulence from larger acft using Rwy 14L-32R. Rwy 14L-32R NSTD HIRL located 50' from rwy edge markings. ACTIVATE MALSR Rwy 32R—CTAF. WEATHER DATA SOURCES: ASOS (509) 762-5082. LAWRS. COMMUNICATIONS: CTAF 118.25 ATIS 119.05

MOSES LAKE RCO 122.4 (SEATTLE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH. MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97

PELLY NDB (MHW/LOM) 408

closed.

ILS 109.5 Rwy 32R. MOSES LAKE MUNI (W2Ø) 2 NE S4 FUEL 100LL NOTAM FILE SEA

the twr. Rwy 18-36 available as air carrier twy movement area only. Rwy 09-27 military landing zone lights only.

UNICOM 122.95 R APP/DEP CON 126.4 134.35 (1400-0600Z‡) SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z‡) TOWER 128.0 (WEST) 118.25 (EAST) (1400-0600Z‡) **GND CON 121.9** AIRSPACE: CLASS D svc 1400-0600Z± other times CLASS E.

N47°12.65′ W119°19.01′ at fld. 1194/18E. MW N47°06.94′ W119°16.47′ 324° 5.9 NM to fld. Unmonitored when tower Class IE LOM PELLY NDB. Unmonitored when tower closed.

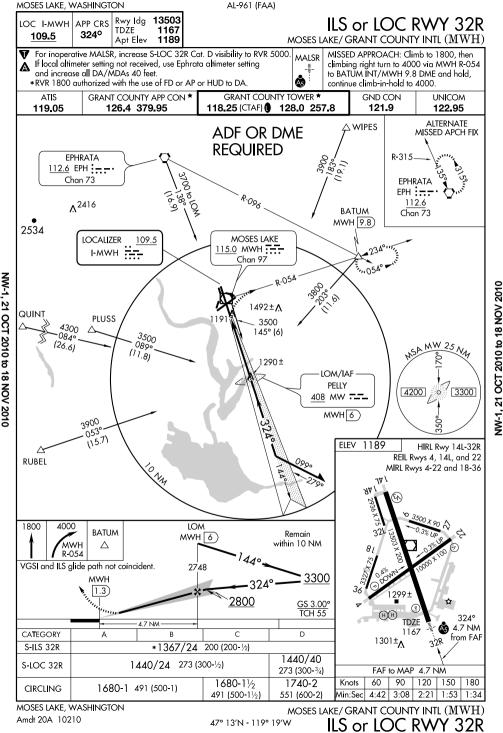
UTC-8(-7DT) N47°08.52' W119°14.27'

initial use of airport. COMMUNICATIONS: CTAF/UNICOM 123.0

RWY 16-34: H2513X50 (ASPH) S-8 RWY 16: PAPI (P2L)-GA 3.0°ThId dsplcd 466'. Tree. RWY 34: PAPI(P2L)—GA 3.0°. Thid dsplcd 253'. Rgt AIRPORT REMARKS: Attended 1600-0100Z‡. Fuel avbl only Mon-Fri 1600-0100Z‡. Extensive agriculture opr in progress. Bird hazard. Ultralight opr requested to obtain airport safety briefing from airport management prior to MT CONSTITUTION N48°40.79' W122°50.48'

MT VERNON (See BURLINGTON/MT VERNON)

RCO 122.3 (SEATTLE RADIO)



LAND AND HOLD SHORT OPERATIONS (LAHSO)

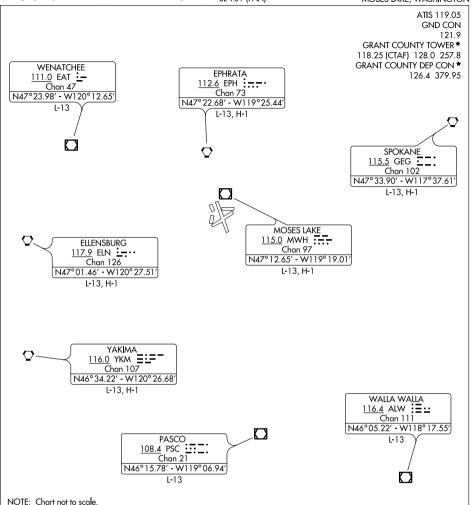
LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned.

The Aeronautical Information Manual contains specific details on hold-short operations and markings.

The Aeronautical Information Manual contains specific details on hold-short operations and markings.			
CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
BOZEMAN, MT			
GALLATIN FIELD (BZN)	12	03-21	6,841 feet
MOSES LAKE, WA			
GRANT COUNTY INTL (MWH)	04	14L-32R	4,700 feet
	14L	04-22	7,550 feet
	22	14L-32R	4,650 feet
	32R	04-22	5,050 feet
PORTLAND, OR			
PORTLAND-HILLSBORO (HIO)	12	02-20	4,922 feet
SALEM, OR			
MCNARY FIELD (SLE)	31	16-34	3,150 feet
	34	13-31	3,050 feet
SPOKANE, WA			
SPOKANE INTL (GEG)	07	03-21	2,800 feet
	21	07-25	7,000 feet
	25	03-21	4,350 feet
TWIN FALLS, ID JOSLIN FIELD-MAGIC VALLEY			
RGNL (TWF)	07	12-30	4,500 feet
, ,	25	12-30	3,600 feet

21 OCT 2010 to 18 NOV 2010



V

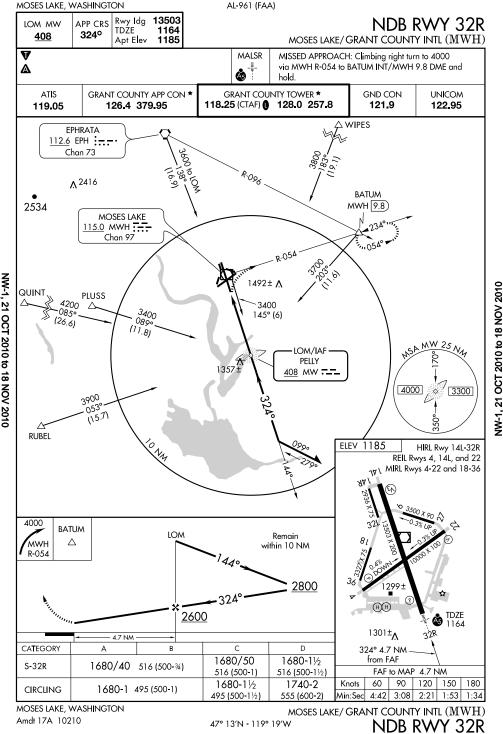
ALL RUNWAYS: Fly runway heading, or ATC assigned heading, for vector to

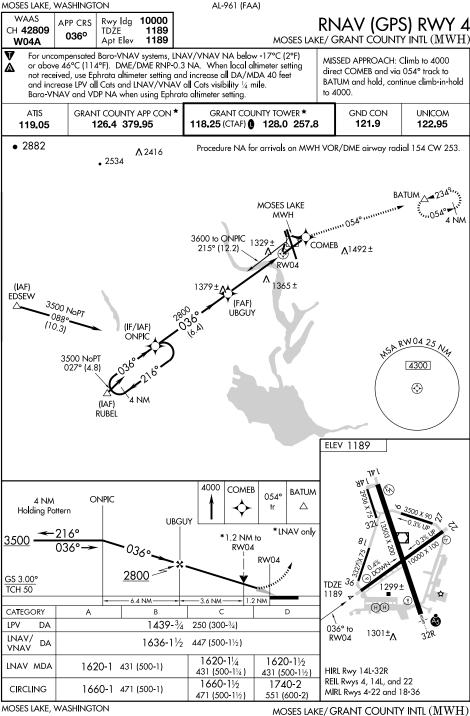
DEPARTURE ROUTE DESCRIPTION

assigned route/fix. Maintain 5000' or ATC assigned altitude. Expect clearance to filed altitude 5 minutes after departure.

LOST COMMUNICATIONS: If no transmissions received for 1 minute after departure, maintain runway heading, or ATC assigned heading to 6000', then climbing right turn to filed altitude, direct MWH VOR/DME, then via assigned fix/route.

MOSES THREE DEPARTURE



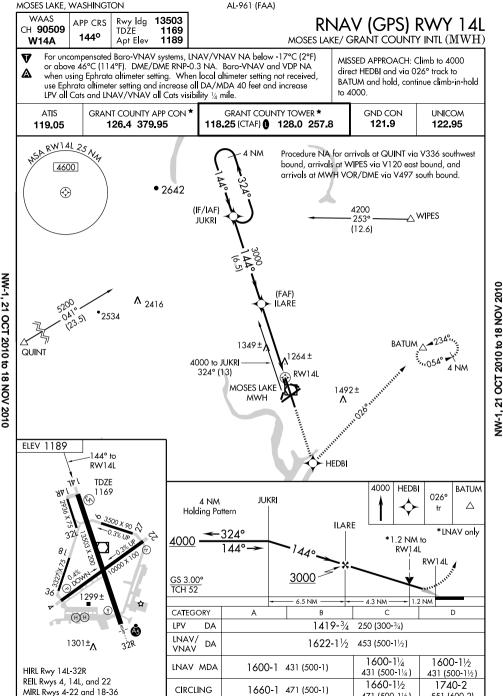


Orig 10210

NW-1, 21 OCT 2010 to 18 NOV 2010

47° 13′N - 119° 19′W

RNAV (GPS) RWY 4



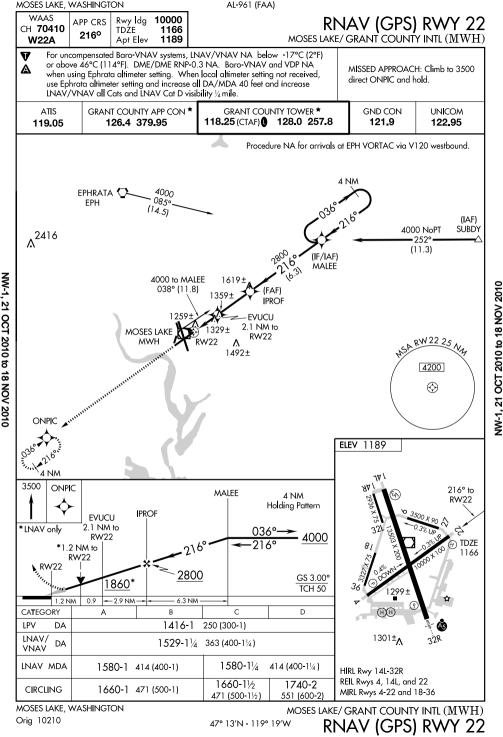
MOSES LAKE, WASHINGTON Orig 10210

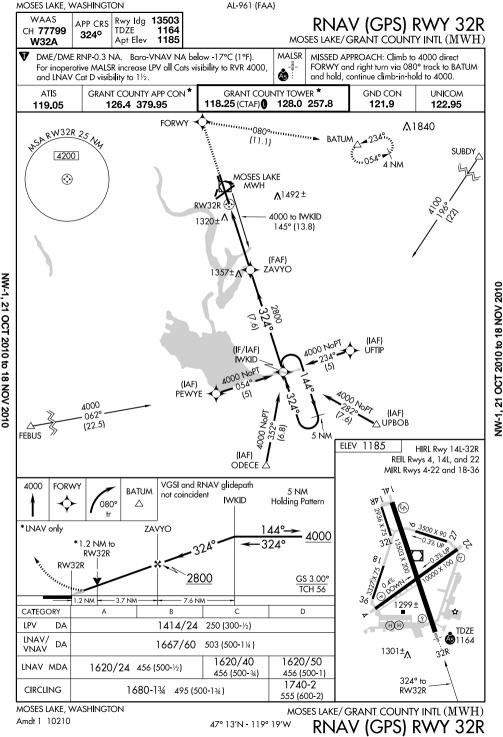
MOSES LAKE/ GRANT COUNTY INTL (MWH)

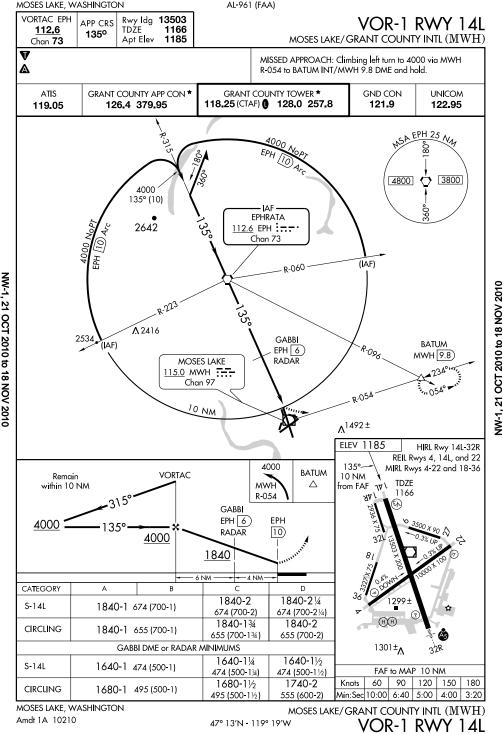
47° 13'N - 119° 19'W

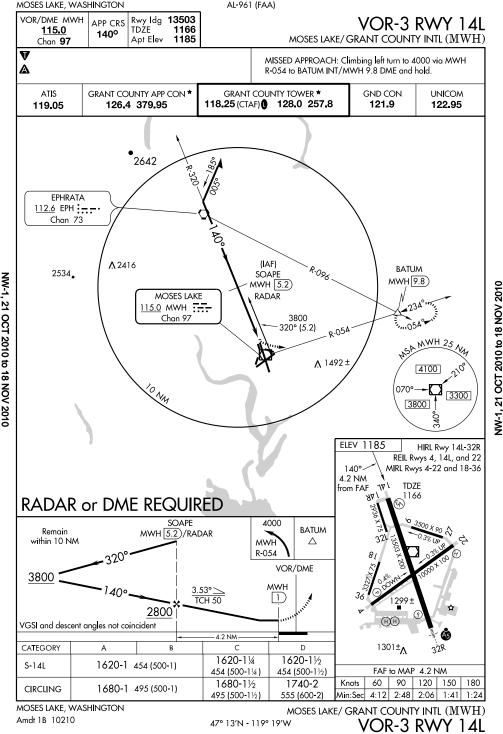
551 (600-2)

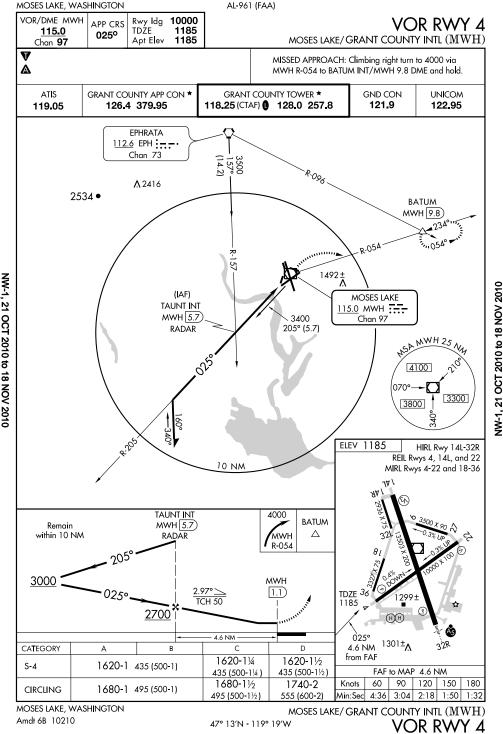
471 (500-11/2)

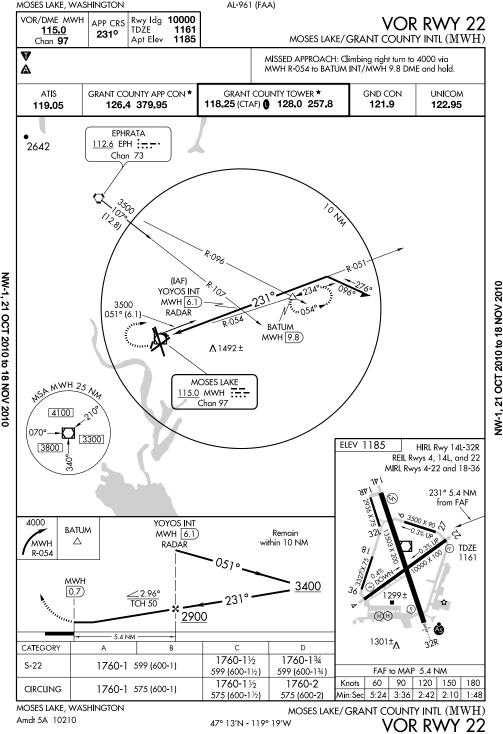


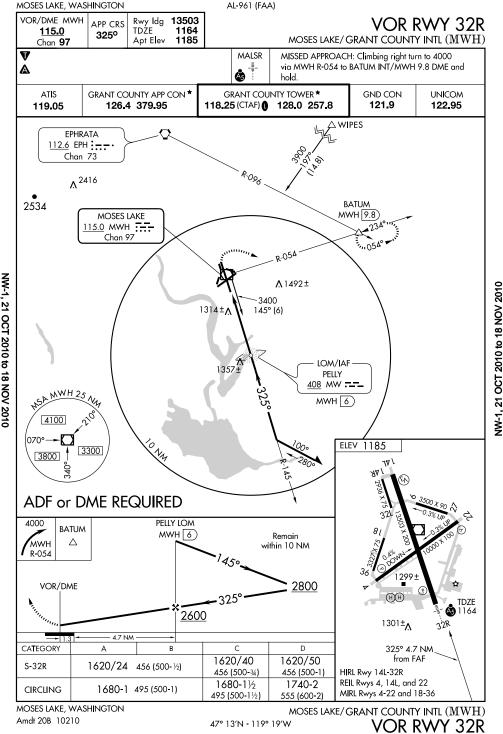


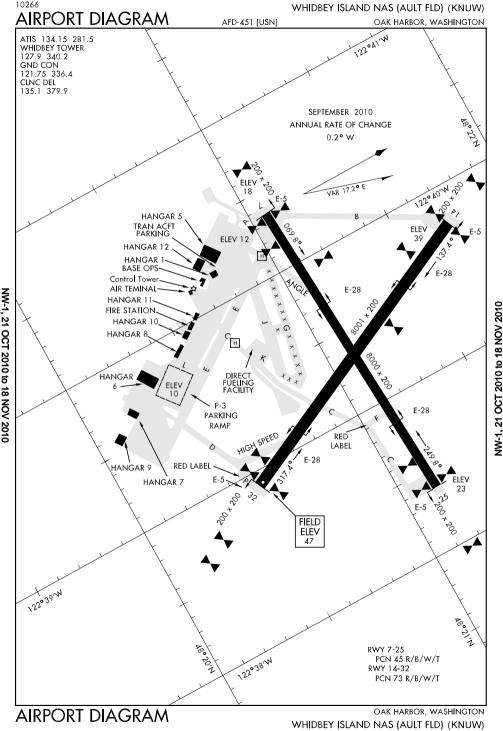












192 WASHINGTON

WHIDBEY ISLAND NAS (AULT FLD)

RWY 14: ALSF1. OLS. TDZL. REIL.

RWY 07-25: H8000X200 (CONC)

N48°21.11' W122°39.36'

(NUW) (KNUW)

PCN 45 R/B/W/T

3 N

RWY 32: ALSF1. OLS. TDZL. REIL.

HIRL

UTC - 8(-7DT)

SEATTLE H-1B. L-1E DIAP. AD

SEATTLE

OIL 0-156 SOAP

TPA—See Remarks NOTAM FILE NUW Not insp. RWY 14-32: H8001X200 (CONC) PCN 73 R/B/W/T CL

RWY 07: OLS. REIL. RWY 25: ALSF1. REIL. OLS. ARRESTING GFAR/SYSTEM **RWY 14** ← HOOK E5 (15' OVRN) HOOK E28(B) (1420')

RWY 07 ← HOOK E5 (15' OVRN) HOOK E28(B) (2425')

HEAVY WEIGHT (DRY), 32-595 HEAVY WEIGHT (DRY). 1(NCPP-105/RCPT-105) FUEL J8. J5

JASU 1(NC-8A/A1) 1(NC-10C) 1(GTC-85/GTE-85) FLUID SP PRESEAIR De-ice LHOX LOX TRAN ALERT Transient crews must be ready to provide technical direction/assistance in svc/maintenance. Ltd

1400-0200Z±, as rgr other times.

svc/maintenance avbl Mon-Fri 1500-2300Z‡, no maintenance Sat, Sun and holidays. Air terminal opr

Rescue/Medevac ctc Air Terminal Supervisor, 1430-0100Z‡ at DSN 820-2604/6707, C360-257-2604/6707. Prior coordination/flt advisory rgr for AMC/JOSAC/NALO missions. CAUTION All E5 overrun A-Gear rigged at all

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information. RSTD PPR for all acft except Search and

HOOK E28(B) (1926') HOOK E5 (14' OVRN →) RWY 32 HOOK E28(B) (1930') HOOK E5 (15' OVRN →) RWY 25 MILITARY SERVICE: A-GEAR E5 RATINGS-07-355 HEAVY WEIGHT (DRY), 25-335 HEAVY WEIGHT (DRY), 14-620

times, accidental engagement in the wrong direction will result in acft damage and may result in injury or loss of life. Bird hazard, See FLIP AP/1 Supplementary Arpt Remark. IFC PAT TPA—Overhead initial 3000(2953), overhead break 1500(1453) day, 1700(1653) night, pattern alt 1000(953) day, 1200(1153) night, Reduced rwy separation standard in effect USN/USMC acft. UHF equipped acft use UHF twr frequency. CSTMS/AG/IMG Avbl only

for Whidbey based military acft from Canada, 48 hr prior notice, ctc OPS Duty Officer DSN 820-2681/2682. C360-257-2681/2682, Base OPS DSN 820-2884/2885, C360-257-2884-2885, MISC Precision Approach and Landing Systems Data Link frequency 313.3, TRN-28 Chan 18. COMMUNICATIONS: ATIS 134.15 281.5 (R) APP/DEP CON 118.2 285.65 (West) 120.7 270.8 (East)

TOWER 127.9 340.2 GND CON 121.75 336.4 CLNC DEL 124.15 135.1 379.9 PRE TAXI CLNC 124.15 135.1 380.0 PMSV METRO 343.4 **BASE OPS** 350.1 AIRSPACE: CLASS C svc ctc APP CON.

RADIO AIDS TO NAVIGATION: NOTAM FILE NUW. (H) TACAN NUW (113.8) Chan 85 N48°21.30′ W122°39.71′

RWY 02-20: H3850X60 (ASPH)

byd 30 NM blo 4,000'.

ILS 110.1 I-NUW Rwv 14. Unusable byd 3° W of course and byd 5° E of course due to lack of defined

glide path and clearance above path. GS unusable byd 5° left and 3° right of course.

COMM/NAV/WEATHER REMARKS: VFR advisory syc ctc APP CON. Pre-taxi clnc 135.1 used for pre taxi clnc at NUW.

124.15 on gnd clnc del at CLM—Port Angeles. Radar see Terminal FLIP for Radar Minima.

(2S8)2 SW UTC-8(-7DT)N47°45.20′ W118°44.64′ MIRI

RWY 20: REIL. PAPI(P2L)-GA 3.0° TCH 40'.

WILBUR FUEL 100LL, JET A NOTAM FILE SEA

L-13A

at fld. 51/18E. TACAN unusable 133°-163°

Rwy 02-20 and REIL Rwy 02 and Rwy 20 and PAPI Rwy 20 and rotating bcn-CTAF. COMMUNICATIONS: CTAF 122.9

S-155

AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z±, ACTIVATE MIRL

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 030° 35.7 NM to fld. 1250/21E.

WILLARD FLD (See TEKOA)

753

S-7

CIRCLING

Amdt 1 10210

460-11/4

800-21/4

(500-11/4)

(800-21/4)

460-11/2

860-23/

(900-2%)

435

(500-11/2)

1120-3

(1100-3)

1073

NW-1, 21 OCT 2010 to 18 NOV 2010

WHIDBEY ISLAND NAS (AULT FLD)

REIL Rwy 7-25, 14-32 TDZ/CL Rwy 14-32 HIRL Rwy 7-25, 14-32

800-21/4

(800-21/4)

48°21'N-122°39'W WHIDBEY ISLAND NAS (AULT FLD) (KNUW

REIL Rwy 7-25, 14-32 TDZ/CL Rwy 14-32 HIRL Rwy 7-25, 14-32

(600-11/4)

(1100-3)

1120-3

860-23/

(900-234)

813

WW-1, 21 OCT 2010 to 18 NOV 2010

CIRCLING

21 OCT 2010 to 18 NOV 2010

⊸1.3 NM ►

733

3 NM

C

760-11/2

800-21/4

(800-11/2)

(800-21/4)

D

760-13/4

860-23/

733

(800-134)

(900-2%)

48° 21′N-122° 39′W WHIDBEY ISLAND NAS (AULT FLD) (KNU

REIL Rwy 7-25, 14-32 TDZ/CL Rwy 14-32 HIRL Rwy 7-25, 14-32

E

760-2

1120-3

(800-2)

(1100-3)

733

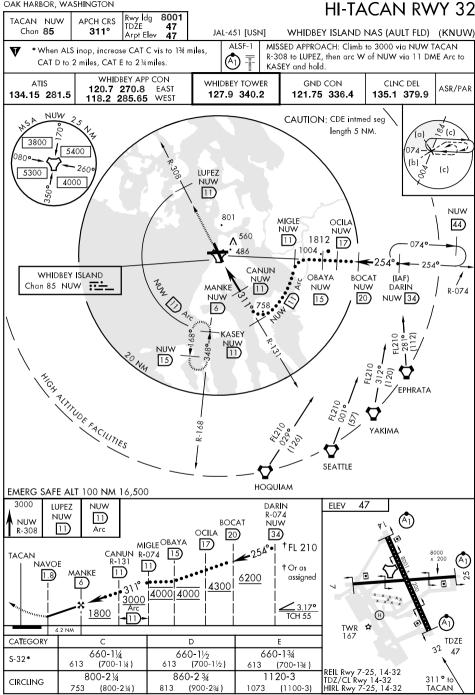
32

WW-1, 21 OCT 2010 to 18 NOV 2010

CIRCLING

CATEGORY

S-25*



753

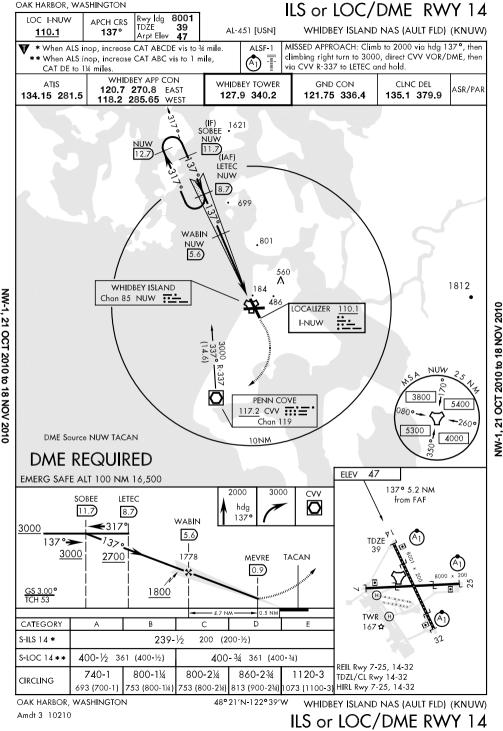
(800-21/4)

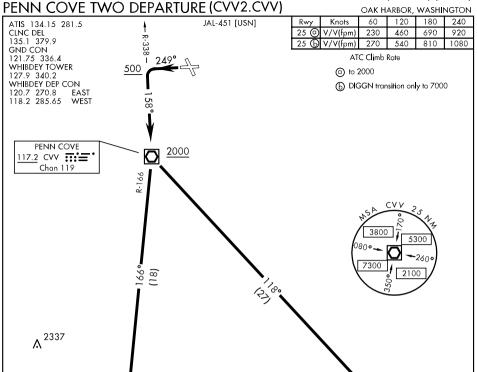
(900-23/1)

WHIDBEY ISLAND NAS (AULT FLD)

(1100-3)

NW-1.







DIGGN

7000

⁹²⁵∧

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

PAINE

Chan 43 L-1, H-1

110.6 PAE :=

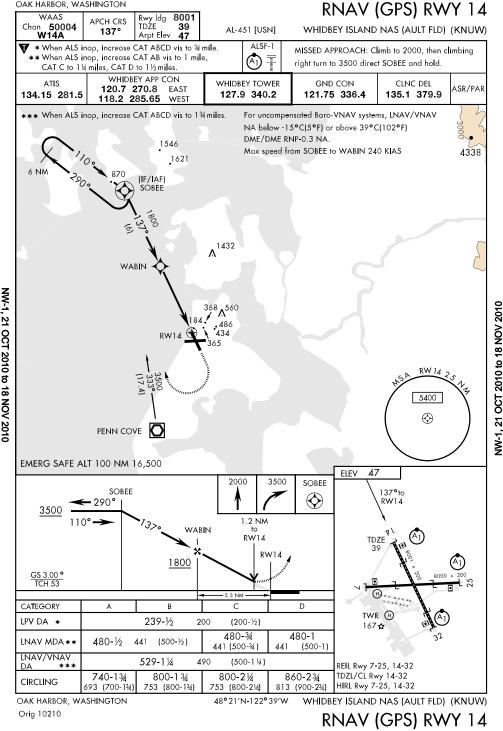
TAKE-OFF RWY 25: Climb to 500 feet on heading 249°. Then climbing left turn to intercept CVV VOR/DME R-338 to CVV. Cross CVV at or above 2000 feet. Thence....

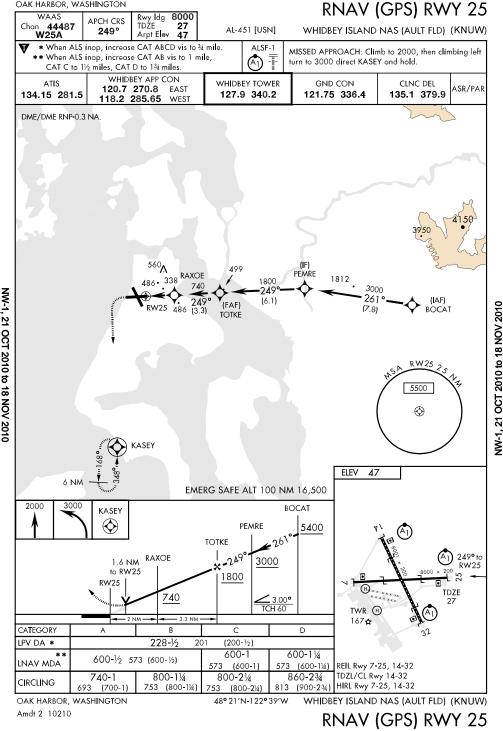
....Via assigned transition or fly heading 158° and expect vectors to join assigned route.

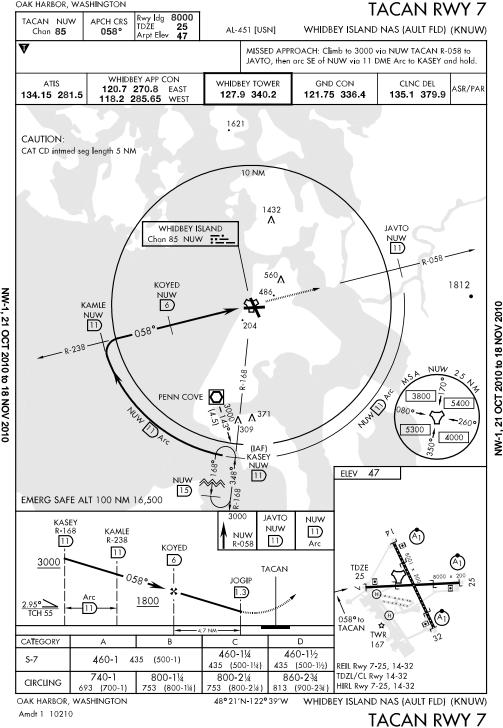
<u>DIGGN TRANSITION (CVV2.DIGGN):</u> Via CVV R-166 to DIGGN, cross DIGGN at or above 7000 feet.

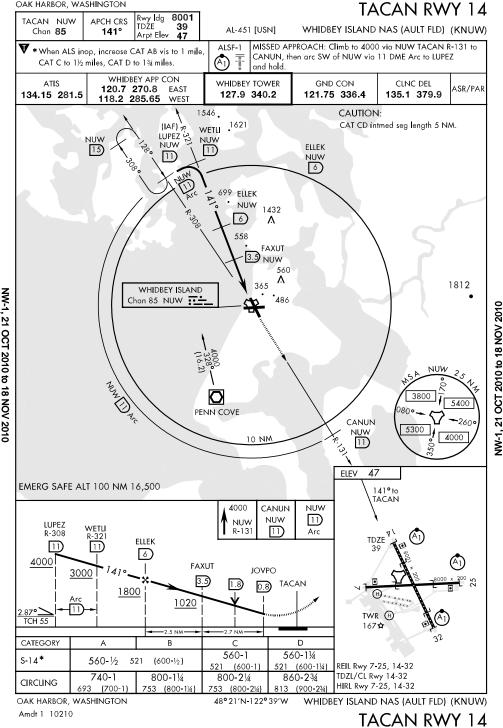
PAINE TRANSITION (CVV2.PAE): Via CVV R-118 to PAE VOR/DME. Cross PAE VOR/DME at or above 3000 feet.

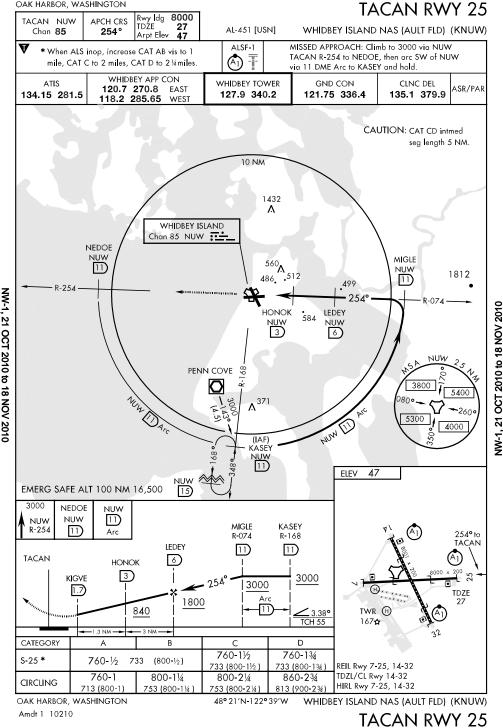
3000

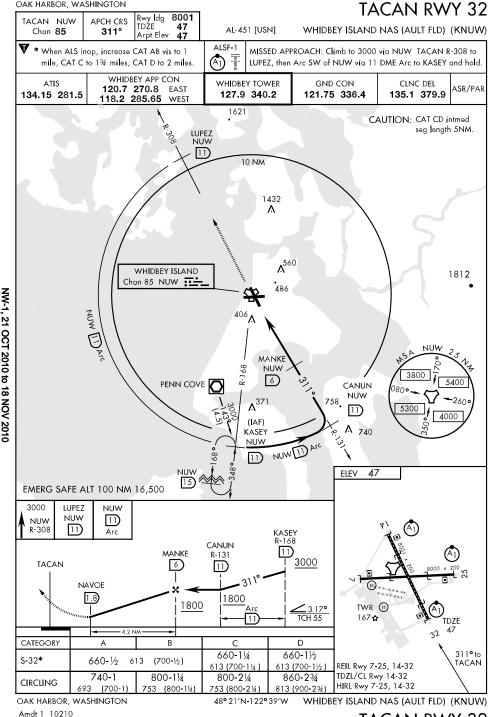












TACAN RWY 32

WASHINGTON 166 NOLLA N47°37.95′ W122°23.37′. NOTAM FILE BFI. NDB (LOM) 362 BF 130° 7.1 NM to Boeing Fld/King Co Intl.

RWY 07: PAPI(P2L)-GA 4.5°. Thid dsplcd 507'. Fence. Rgt tfc.

AIRPORT REMARKS: Unattended, Rwy 07-25 NSTD LIRL only W 2620' rwy lgtd. Rwy 07-25 severely cracked, spalling in some areas. PPR for Ultralights and Gliders ctc arpt manager phone

OAK HARBOR AJ EISENBERG 193 B S2 FUEL 100LL, MOGAS NOTAM FILE 76S

> 360-929-6802 or 1-866-429-2132, ACTIVATE NSTD LIRL Rwy 07-25-CTAF. PAPI Rwy 07 and Rwy 25 opr 24 hrs.

RWY 07-25: H3265X25 (ASPH) S-5

RWY 25: PAPI(P2L)-GA 4.5°. Trees.

WEATHER DATA SOURCES AWOS-3 132,775 (360) 675-8431 COMMUNICATIONS: CTAF/UNICOM 122.8 ATIS 134.15 (Thru Whidbey Island NAS/Ault Fld)

(R) WHIDBEY APP/DEP CON 118.2 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. CVV PENN COVE (L) VORW/DME 117.2 Chan 119 W122°43.47' 060° 2.1 NM to fld. 200/19E.

RCO 122.4 (SEATTLE RADIO)

RWY 15-33 H3100X50 (ASPH)

COMMUNICATIONS: CTAF 122.9 RCO 122.4 (SEATTLE RADIO)

NOTAM FILE SEA

RWY 15: PAPI(P2L)-GA 3.0° TCH 40'.

OCEAN SHORES MUNI

HIWAS. ODESSA MUNI

OCEAN SHORES N47°00 49' W124°09 33'

(OKH) 3 SW UTC-8(-7DT) N48°15.09′ W122°40.42′

LIRL (NSTD)

MIRL

RWY 33: PAPI(P2L)-GA 3.0° TCH 40'. Trees. Rgt tfc.

15-33 and PAPI Rwy 15 and Rwy 33-122.8.

S-12.5

RADIO AIDS TO NAVIGATION: NOTAM FILE HOM.

HQM

HOQWAM (H) VORTACW 117.7

S-5

MIRL RWY 20: PAPI(P2L), Brush.

N47°22.68'

AIRPORT REMARKS: Unattended. Seabirds in safety and taxi areas and adjacent wetland. Rwy 15-33 has asph 50'

(WØ4) 2 NE UTC-8(-7DT) N46°59.95' W124°08.54'

SFATTLE

SEATTLE

L-1E

L-1D

L-1D

SFATTLE

IAP

L-1D

0 3265 X 25

ପ ପପ ପ ଓ ପଟ ଓ SEATTLE

wide with 12.5' grvl shoulders. Parking ramp loose gravel on surface. MIRL OTS indef. ACTIVATE MIRL Rwy Chan 124 N46°56.82′ W124°08.96′ 346° 3.1 NM to fld. 10/19E. 1 N UTC-8(-7DT) N47°20.85' W118°40.63' SEATTLE

AIRPORT REMARKS: Unattended. ACTIVATE MIRL Rwy 02-20 and rotating bcn-122.8. COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

Chan 73

EPHRATA (H) VORTACW 112.6 EPH W119°25.44′ 072° 30.5 NM to fld. 1250/21E.

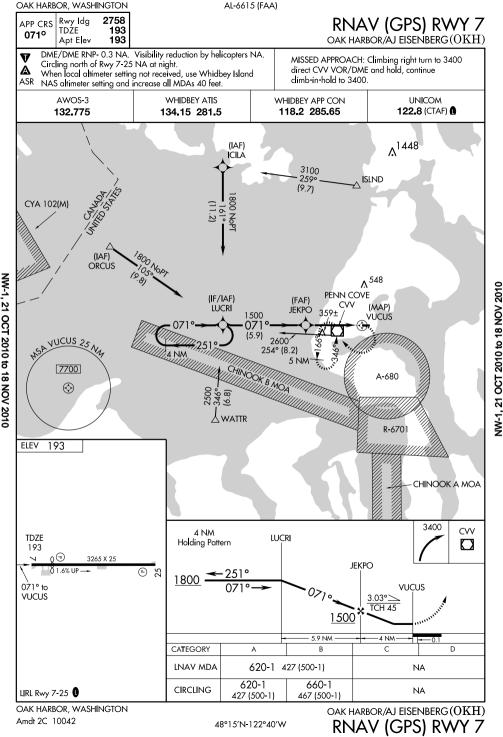
(43D)

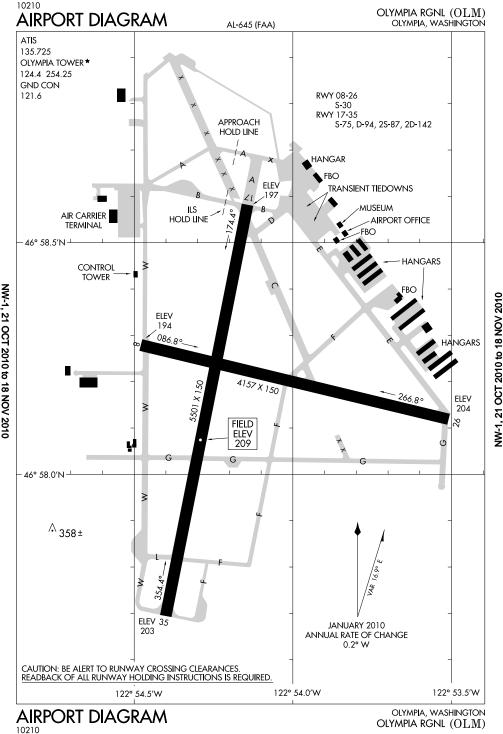
RWY 02-20: H3125X60 (ASPH)

RWY 02: PAPI(P2L).

B NOTAM FILE SEA

L-13A





WASHINGTON 167

SFATTLE

L-13A

OKANOGAN LEGION (S35) 1 E UTC-8(-7DT) N48°21.72′ W119°34.05′

FUEL 100LL NOTAM FILE SEA

S-6

AIRPORT REMARKS: Unattended. Fuel by request, call 509-429-2597, 206-915-4433, 509-422-3071, 509-322-4710, ACTIVATE

MIRL

W117°37.61' 281° 91.7 NM to fld. 2756/21E. HIWAS.

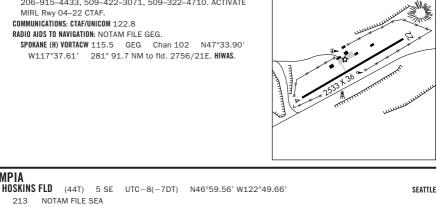
RWY 04-22: H2533X36 (ASPH)

MIRL Rwy 04-22 CTAF. COMMUNICATIONS: CTAF/UNICOM 122.8

1042 B S2

RWY 22: Rgt tfc.

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'



OLYMPIA

RWY 07-25: 2015X116 (TURF) RWY 07: Trees. RWY 25: Trees.

COMMUNICATIONS: CTAF 122.9

OLM.

AIRPORT REMARKS: Unattended. No helicopters. No ultralights. Noise abatement procedures in effect; call arpt manager 360-491-6723. Geese and ducks on and invof arpt. Mole hills west end. Recommend land Rwy 07, depart 25 when wind condition permits. Rwy 07-25 no line of sight between rwy ends.

NOTAM FILE SEA

OLYMPIA RGNL (OLM) 4 S UTC-8(-7DT) N46°58.16′ W122°54.15′ B S4 FUEL 80, 100, 100LL, JET A OX 1, 3, 4 LRA NOTAM FILE OLM RWY 17-35: H5501X150 (ASPH-GRVD) S-75, D-94, 2S-87, 2D-142

RWY 17: MALSR, PAPI(P4L)-GA 3.0° TCH 54'. RWY 35: REIL. PAPI(P4L)-GA 3.0° TCH 54'. Rgt tfc. RWY 08-26: H4157X150 (ASPH) S-30

RWY 08: Rgt tfc. RWY 26: Tree.

AIRPORT REMARKS: Attended 1600-0200Z‡. Twy Igts on Twy W, Twy A, Twy G, Twy L and Twy B. When twr clsd ACTIVATE HIRL Rwy 17-35, MALSR Rwy 17, PAPI Rwy 17 and Rwy 35, REIL Rwy 35, twy lgts

and directional signage-CTAF. Landing fee.

COMMUNICATIONS: CTAF 124.4 ATIS 135.725 UNICOM 122.95 (R) SEATTLE APP/DEP CON 121.1 TOWER 124.4 (1600-0400Z±) **GND CON 121.6**

AIRSPACE: CLASS D svc 1600-0400Z‡ other times CLASS E. RADIO AIDS TO NAVIGATION: NOTAM FILE OLM. (H) VORTACW 113.4 OLM Chan 81 N46°58 30'

W122°54.11' at fld. 200/19E. HIWAS. DME unusable:

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

258°-283° bvd 30 NM blo 4.100' 358°-043° byd 10 NM blo 6,000'

223°-258° bvd 20 NM blo 4.100'

358°-043° bvd 20 NM blo 7.000' ILS 111.9 I-OLM Rwy 17. Unmonitored during hours twr closed. LOC unusable byd 25° right of

SEATTLE H-1B. L-1D IAP. AD G^G ß WEATHER DATA SOURCES: ASOS 135.725 (360) 943-1278. HIWAS 113.4 €3

course

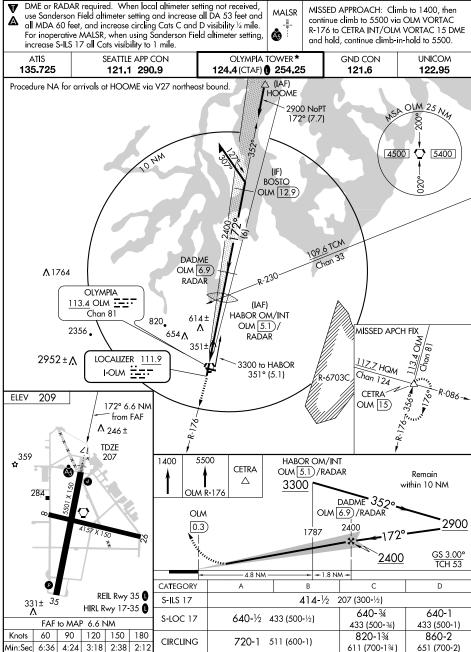
AL-645 (FAA)

10042 ILS or LOC RWY 17

OLYMPIA RGNL (OLM)

NW-1, 21 OCT 2010 to 18 NOV 2010

MISSED APPROACH: Climb to 1400, then



OLYMPIA, WASHINGTON

Amdt 11 11FEB10

OLYMPIA, WASHINGTON Orig-A 09127

NW-1, 21 OCT 2010 to 18 NOV 2010

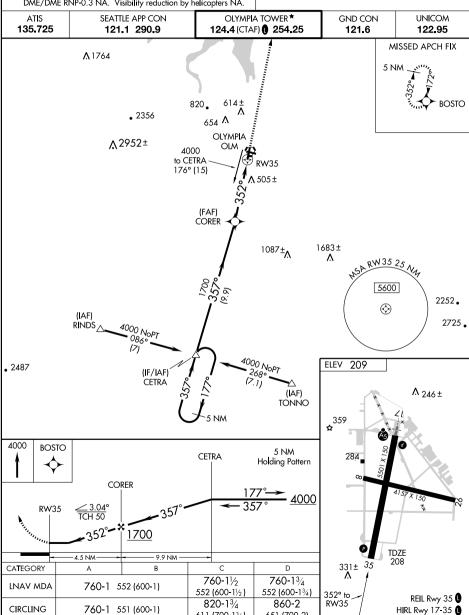
OLYMPIA RGNL (OLM)
P°54'W RNAV (GPS) RWY 17

RNAV (GPS) RWY 35 OLYMPIÅ RGNL (OLM)

NW-1, 21 OCT 2010 to 18 NOV 2010

Apt Elev When local altimeter setting not received, use Sanderson Field altimeter setting and increase all MDAs 60 feet; increase visibility MISSED APPROACH: Climb to 4000 direct BOSTO LNAV Cats C/D 1/4 mile and circling Cat D 1/4 mile. and hold, continue climb-in-hold to 4000. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

OLYMPIA TOWER * **ATIS** SEATTLE APP CON GND CON UNICOM 124.4 (CTAF) (254.25 135,725 121.1 290.9 121.6 122.95



OLYMPIA, WASHINGTON

NW-1, 21 OCT 2010 to 18 NOV 2010

Orig-A 09127

OLYMPIA RGNL (OLM) RNAV (GPS) RWY 35

46°58'N-122°54'W

651 (700-2)

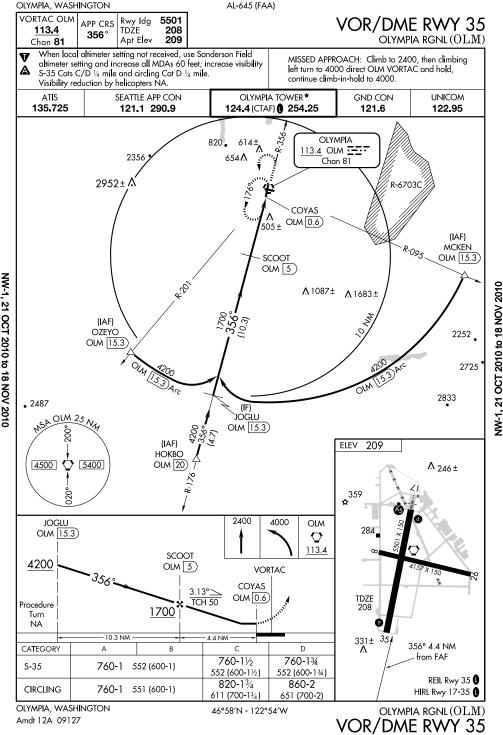
611 (700-13/4)

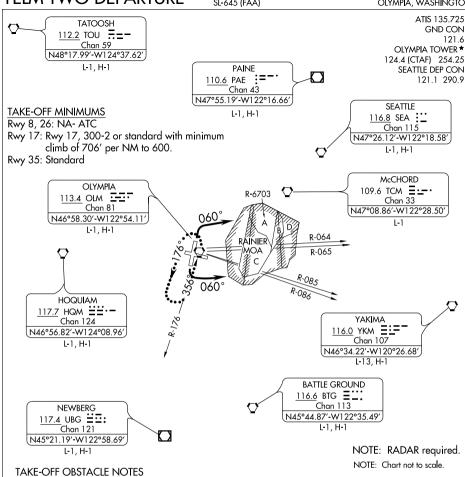
OLYMPIA, WASHINGTON AL-645 (FAA) VORTAC OLM N/A Rwy Idg VOR-A APP CRS 113.4 N/A TDŹE 171° Apt Elev OLYMPIA RGNL (OLM)209 Chan 81 V MISSED APPROACH: Climb to 1900 then climbing right When local altimeter setting not received, use Sanderson Field altimeter setting and increase all MDA 60 feet. turn to 4000 direct OLM VORTAC and hold, continue Δ DME or RADAR required. climb-in-hold to 4000. ATIS SEATTLE APP CON OLYMPIA TOWER* GND CON **UNICOM** 135,725 121.1 290.9 124.4 (CTAF) 0 254.25 121.6 122,95 DME or RADAR REQUIRED **∧** 1764 (IAF) **HABOR** OLM [5.1] RADAR 820. 614± 2356 654 ^ 3000 351° (5.1) 2952± ∧ OLYMPIA 113.4 OLM .--: Chan 81 MSA OLM 25 Ny **ELEV** 209 171° 4.8 NM from FAF 4500 5400 246 ± 1087 ± A **∧** 1683 ± 359 **☆** 2252 1900 4000 OLM **HABOR** One Minute OLM [5.1] \Diamond Holding Pattern RADAR 113.4 **VORTAC** 2500 35 REIL Rwy 35 0 331± HIRL Rwy 17-35 (4.8 NM FAF to MAP 4.8 NM CATEGORY Α C D Knots 60 90 120 150 180 880-2 880-21/4 CIRCLING 880-1 671 (700-1) 2:24 1:55 1:36 Min:Sec 4:48 3:12 671 (700-2) 671 (700-21/4)

OLYMPIA, WASHINGTON Amdt 1A 09155

NW-1, 21 OCT 2010 to 18 NOV 2010

OLYMPIA RGNL (OLM)





RWY 17: Multiple trees beginning 1005' from DER, 24' left of centerline, up to 100' AGL/490' MSL.

Multiple trees beginning 752' from DER, 3' right of centerline, up to 100' AGL/370' MSL. RWY 35: Multiple trees beginning 2176' from DER, 198 feet left of centerline up to 100' AGL/313' MSL.

Multiple trees and FLDLT on HGR beginning 657' from DER, 621' right of centerline, up to 100' AGL/ 315' MSL. DEPARTURE ROUTE DESCRIPTION

V

NW-1, 21 OCT 2010 to 18 NOV 2010

TAKE-OFF RUNWAY 17: Turn left. Thence....

TAKE-OFF RUNWAY 35: Turn right. Thence....

....Climb via heading 060°, maintain 2000. Expect radar vectors on course and filed altitude within five minutes after departure.

LOST COMMUNICATIONS: If no contact with ATC within 6 NM of OLM VORTAC, or 2 minutes after departure for non-DME aircraft, turn left direct OLM VORTAC, continue climb in OLM VORTAC holding pattern to cross OLM VORTAC at or above R-086 CW R-064 4000 feet; R-065 CW R-085 7300 feet, continue climb via assigned route.

YELM TWO DEPARTURE

168 WASHINGTON

1305 S4 FIIFI 100LL IFT A NOTAM FILE OMK RWY 17-35: H4667X150 (ASPH) S-75, D-200, 2D-400 HIRI

RWY 17: REIL, VASI(V2L)-GA 3.0° TCH 43'. RWY 35: REIL. VASI(V2L)-GA 3.0° TCH 46'.

AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z±, Fuel avbl 24 hrs-credit card. ACTIVATE HIRL Rwv 17-35-CTAF. WEATHER DATA SOURCES: ASOS 118,325 (509) 826-2655.

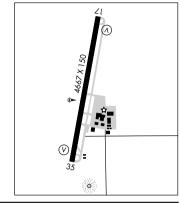
3 N UTC-8(-7DT) N48°27.87′ W119°31.08′

COMMUNICATIONS: CTAF/UNICOM 122.8 RCO 122.2 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 126.1

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'

W117°37.61' 285° 93.4 NM to fld. 2756/21E. HIWAS. NDB (MHW) 219 OMK

N48°27.20′ W119°31.02′ NOTAM FILE OMK, Unusable bvd 15 NM.



SEATTLE

I-13A

ΙΔΡ

OROVILLE

ORCAS ISLAND

OMAK

(OMK)

DOROTHY SCOTT (ØS7) 2 NE UTC-8(-7DT) N48°57.54′ W119°24.72′

(See EAST SOUND)

1064 B S4 FUEL 100LL AOE NOTAM FILE SEA RWY 15-33: H4014X50 (ASPH) S-5

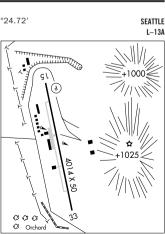
RWY 15: PAPI(P2L)-GA 3.0° TCH 45'. Rgt tfc. RWY 33: Road

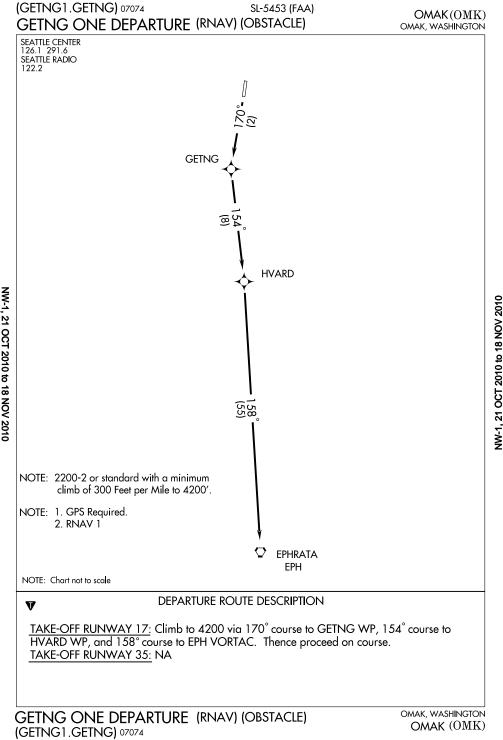
AIRPORT REMARKS: Attended dawn-dusk. Wildlife adjacent to rwy and twv. ACTIVATE MIRL Rwv 15-33-CTAF, Customs telephone

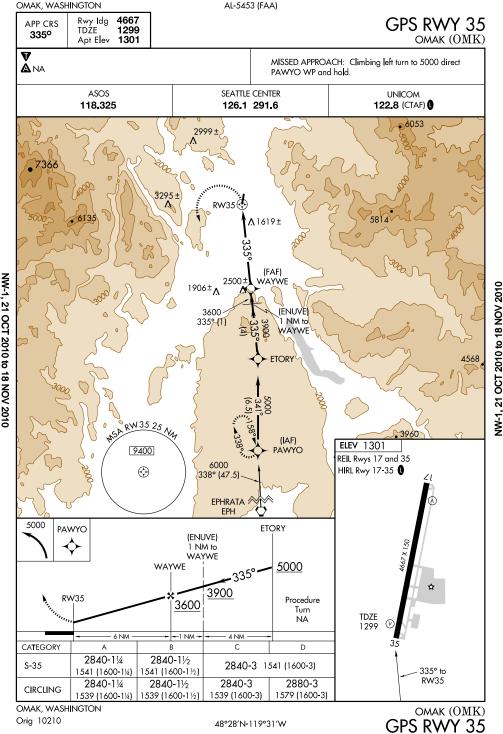
509-476-2955. Flight Notification Service (ADCUS) available. COMMUNICATIONS: CTAF 122.9

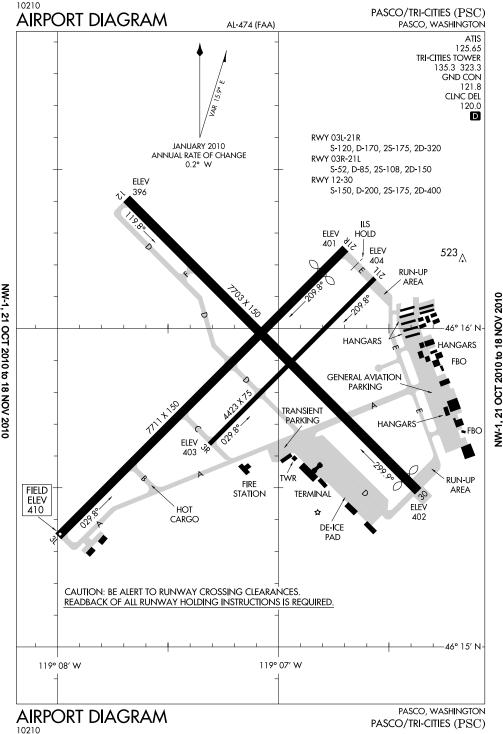
RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' 340° 105.0 NM to fld. 1194/18E.









WASHINGTON 170

TRI-CITIES 2 NW UTC-8(-7DT) N46°15.88' W119°07.14' S4 FUEL 100LL, JET A1 + OX 2 NOTAM FILE PSC

PASCO

RWY 03L-21R: H7711X150 (ASPH-GRVD) S-120, D-170, 2S-175, 2D-320 HIRI RWY 03L: REIL PAPI(P4L)-GA 3.0° TCH 50'. Tree.

RWY 21R: MALSR. PAPI(P4L)—GA 3.0° TCH 54'. Thid dsplcd 600'. Pole, Rgt tfc. RWY 12-30: H7703X150 (ASPH-GRVD) S-150, D-200, 2S-175,

2D-400 MIRL RWY 12: REIL, VASI(V4L)—GA 3.0° TCH 56'.

RWY 30: ODALS. PAPI(P4L)-GA 3.0° TCH 54'. Thid dspicd 200'. RWY 03R-21L: H4423X75 (ASPH) S-52, D-85, 2S-108, 2D-150

RWY 03R: Rgt tfc. RWY 21L: Pole. RUNWAY DECLARED DISTANCE INFORMATION RWY 03L: TORA-7711 TODA-7711 ASDA-7711 LDA-7711 RWY 03R: TORA-4423 TODA-4423 ASDA-4423 LDA-4423 RWY 12: TORA-7703 TODA-7703 ASDA-7503 LDA-7503

RWY 211: TORA-4423 TODA-4423 ASDA-4423 IDA-4423 RWY 21R: TORA-7711 TODA-7711 ASDA-7711 LDA-7111 RWY 30: TORA-7703 TODA-7703 ASDA-7703 LDA-7503

AIRPORT REMARKS: Attended 1600-0400Z±. After hrs fuel call 509-547-6271 or 509-545-5524. Call out fee. Fuel 24 hour credit card svc avbl. Waterfowl on and in vicinity of arpt spring and fall. PPR to unscheduled air carrier ops with more than 30 passenger seat call arpt manager 509-547-6352. TPA-1910(1500) turbine powered acft, all

30-CTAF. WEATHER DATA SOURCES: ASOS (509) 547-7379. LAWRS. SAWRS. COMMUNICATIONS: CTAF 135.3 ATIS 125.65 UNICOM 122.95 JUMP-OFF-JOE RCO 122.4 (SEATTLE RADIO)

(R) CHINOOK APP/DEP CON 128.75 N and W 133.15 S and E (1400-0600Z‡).

Class IE.

(R) SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z±). TOWER 135.3 (1400-0600Z±) GND CON 121.8 **CLNC DEL 120.0**

AIRSPACE: CLASS D svc 1400-0600Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE PSC. PASCO (L) VORW/DME 108.4 PSC Chan 21 N46°15.78′ W119°06.94′

DUNEZ NDB (LOM) 331 PS N46°20.29′ W119°00.75′

Rwy 21R.

PEARSON FLD (See VANCOUVER)

I-PSC

ILS 108.7

200/19E.

PIERCE CO-THUN

PELLY N47°06.94' W119°16.47'. NOTAM FILE MWH.

NDB (MHW/LOM) 408 MW 324° 5.9 NM to Grant Co. Intl. Unmonitored when tower closed.

PENN COVE N48°14.68′ W122°43.47′.

126°-160° 30 NM blo 2.200'. 250°-260° byd 30 NM blo 3,400'. 330°-360° bvd 30 NM blo 2.200'.

NOTAM FILE SEA. (L) VORW/DME 117.2 CVV Chan 119 N48°14.68′ W122°43.47′ 060° 2.1 NM to AJ Eisenberg.

(See PHYALLUP)

DME portion unusable:

TPA—See Remarks Class I, ARFF Index B

others 1410(1000). Rwy 21L and Rwy 03R not avbl as movement area for air carrier acft with more than 9 passenger seats or greater for Idg and tkf. Rwy 03R-21L is avbl for air carrier acft for taxiing during dalgt and

Rwy 12-30 preset on low intensity to increase intensity and ACTIVATE MALSR Rwy 21R and ODALS Rwy

VFR conditions only. Touchdown rwy visual range avbl for Rwy 21R. When twr clsd HIRL Rwy 03L-21R and MIRL

205° 6.3 NM to fld. Unmonitored when twr clsd.

LOM DUNEZ NDB. Unmonitored when tower closed.

at fld. 404/20E.

SEATTLE

SFATTLE

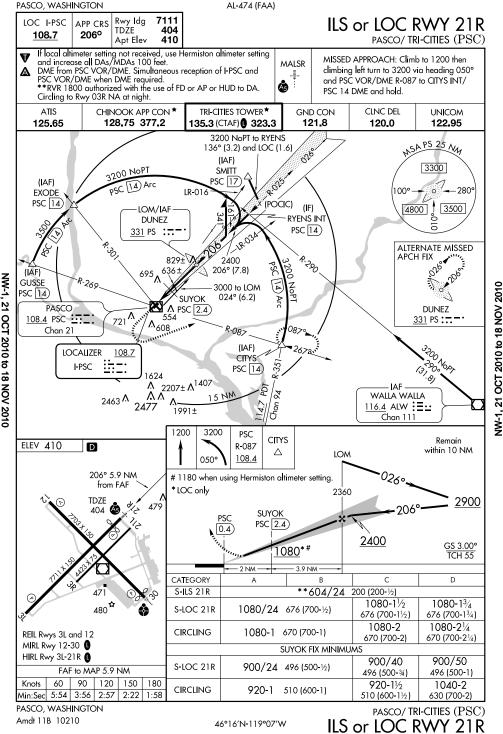
L-1E

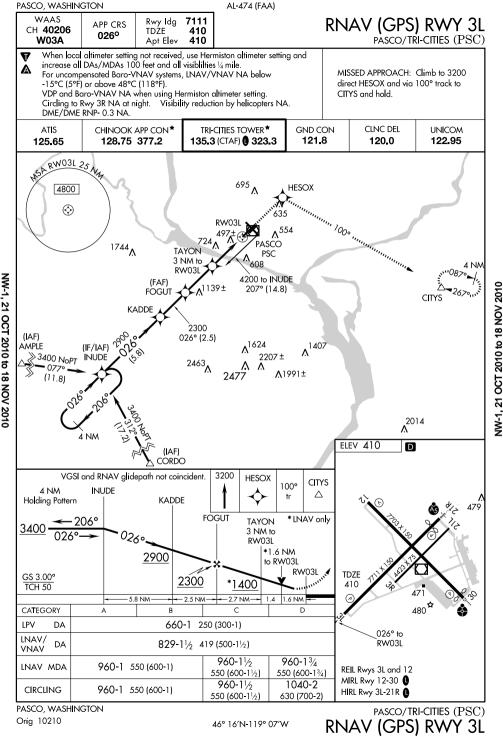
L-13A

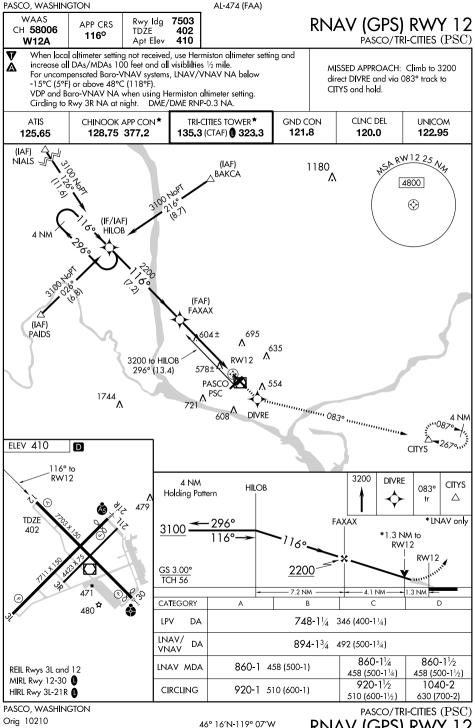
SFATTLE

IAP, AD

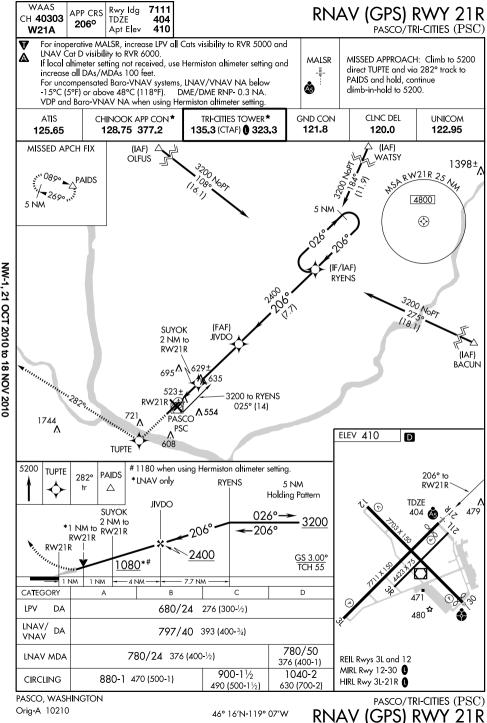
H-1C. L-13A





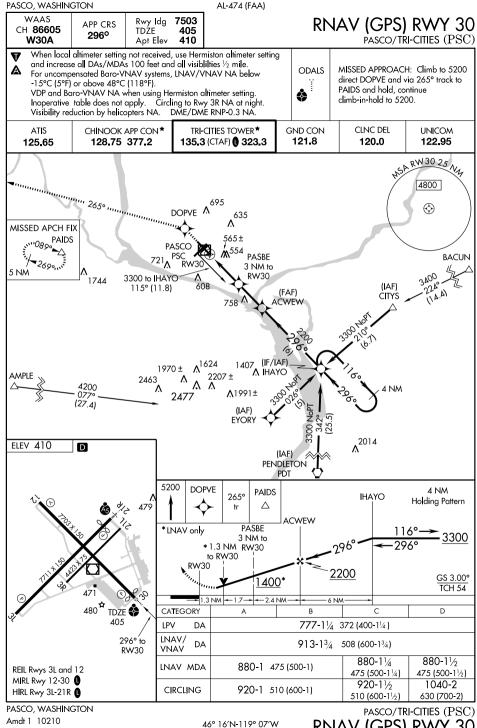


NW-1, 21 OCT 2010 to 18 NOV 2010



AL-474 (FAA)

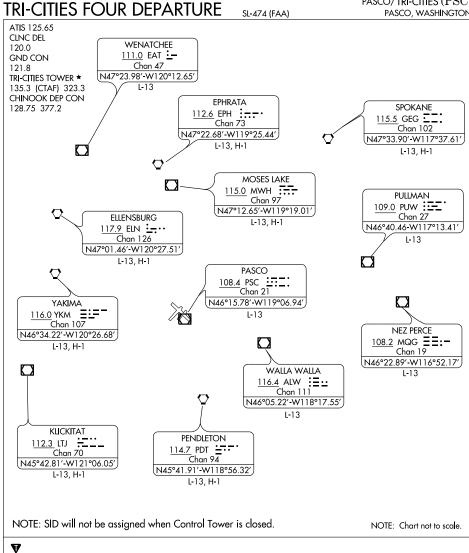
PASCO, WASHINGTON



NW-1, 21 OCT 2010 to 18 NOV 2010

PASCO/TRI-CITIES (PSC) PASCO, WASHINGTON

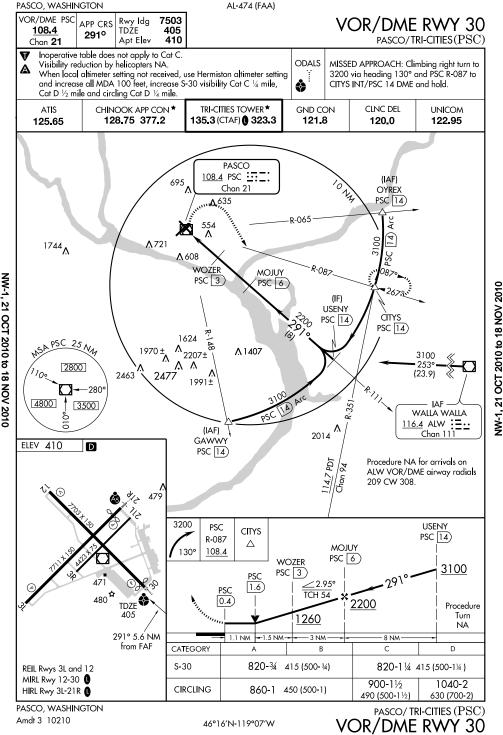
NW-1, 21 OCT 2010 to 18 NOV 2010

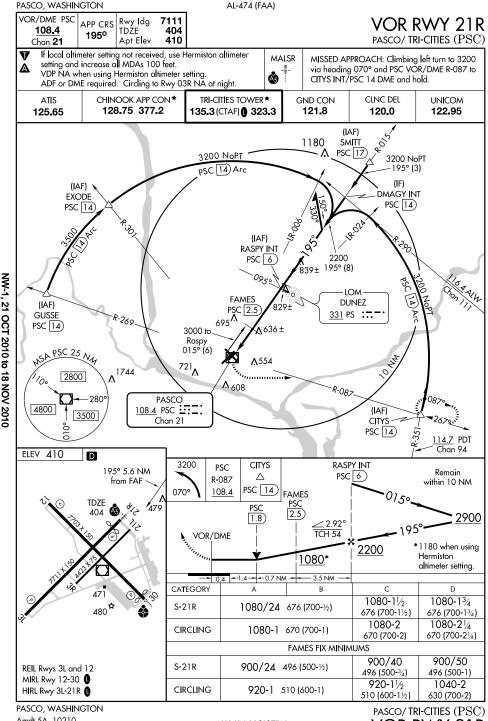


Fly runway heading, or ATC assigned heading, for vector to assigned route/fix. Maintain 10,000' or assigned lower altitude. Expect clearance to filed altitude 5 minutes after departure.

DEPARTURE ROUTE DESCRIPTION

LOST COMMUNICATIONS: Climb runway heading to 3,000' then reverse course direct PSC VOR/DME to cross at or above MEA for route of flight.





Amdt 5A 10210

VOR RWY 21R

```
PORT ANGELES N48°06.99' W123°29.13'
  RCO 122.6 (SEATTLE RADIO)
PORT ANGELES CGAS
                      (NOW) (KNOW) CG 2 N UTC-8(-7DT) N48°08.49′ W123°24.84′
       B FIIFI 15
                     NOTAM FILE SEA
  RWY 07-25: H4500X150 (ASPH) MIRL
  MILITARY SERVICE: JASU 1(MD-3)
                               FUEL J5. Avbl 1500-0000Z±, other times ltd to search and rescue and CG
    missions. TRAN ALERT Tran acft arrive between 1500-0000Z‡ only. Ctc Port Angeles Air on 345.0 or 127.7 15 min
```

(1RL)

prior to Idg.

COMMUNICATIONS: CTAF/UNICOM 122.8

POINT ROBERTS AIRPARK

NOTAM FILE SEA RWY 16-34: 2265X125 (TURF) RWY 16: Brush. Rgt tfc. RWY 34: Brush.

MILITARY REMARKS: RSTD CLOSED to non-CG fixed wing acft. 24 hr PPR C360-417-5840. CAUTION 150' twr 75 yards

south of rwy, marked by strobe lgt.

PORT ANGELES AIR 127.7 345.0

085°-110° byd 20 NM 110°-140° bvd 15 NM

140°-180° byd 10 NM

NDB unusable:

on request. . . .

COMMUNICATIONS: CTAF/UNICOM 122.975

SEATTLE RADIO 122.6

WHIDREY APP/DEP 118 2 285 65

CINC DFI 124 15 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA

EDIZ HOOK NDB (MHW) 338 K N48°08.39′ W123°24.13′ at fld. OTS indef.

fld over water. Noise abatement procedures in effect, contact airport manager for details at 360-945-3139.

180°-245° bvd 15 NM 245°-340° byd 10 NM

COMM/NAV/WEATHER REMARKS: Advisory information avbl at Port Angeles Air on prior notice; other CG frequencies avbl

SEATTLE

SEATTLE

SEATTLE. H-1B, L-1E

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I-1F IAP. DIAP

L-1E

HELIPAD H1: H100X100 (ASPH) PORT ANGELES WILLIAM R FAIRCHILD INTL (CLM) 3 NW UTC-8(-7DT) N48°07.21' W123°29.98' S4 FUEL 100LL, JET A OX 2 LRA NOTAM FILE CLM RWY 08-26: H6347X150 (ASPH-GRVD) S-55, D-66, 2S-83, 2D-115 MIRL RWY 08: MALSR, VASI(V4L)-GA 3.0° TCH 47', Trees. RWY 26: REIL. SAVASI(S2L)—GA 4.0° TCH 49'. Thid dspicd 1354'. Antenna. Rgt tfc. RWY 13-31: H3245X50 (ASPH) S-30 LIRL 1.4% up SE RWY 31: Trees. Rgt tfc. RWY 13: Trees. AIRPORT REMARKS: Attended 1500-0100Z‡. For after hours Jet A call 360-452-6206. Rwy 13-31 CLOSED SS to SR. Waterfowl and birds on and invof arpt. Increased bird activity due to waste

landfill located ½ mile northwest AER 08. No air carrier ops. Arpt surrendered arpt opr certificate 12/9/05. ACTIVATE MIRL Rwy 08-26 and MALSR Rwv 08-CTAF. WEATHER DATA SOURCES: ASOS 135.175 (360) 457-1070. COMMUNICATIONS: CTAF/UNICOM 122.975 PORT ANGELES RCO 122.6 (SEATTLE RADIO) R WHIDBEY APP/DEP CON 118.2 CLNC DEL 124.15 AIRSPACE: CLASS E svc 1300-0730Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17.99' 081° 46.5 NM to fld. 1652/22E. HIWAS. W124°37.62' ELWHA NDB (MHW/LOM) 515 CL N48°09.01' W123°40.22' NDB unusable 100°-235° beyond 12 NM.

a ଓ ଓ 03 03 03 083° 7.1 NM to fld. NOTAM FILE CLM. LOM ELWHA NDB. Localizer unusable inside thld.

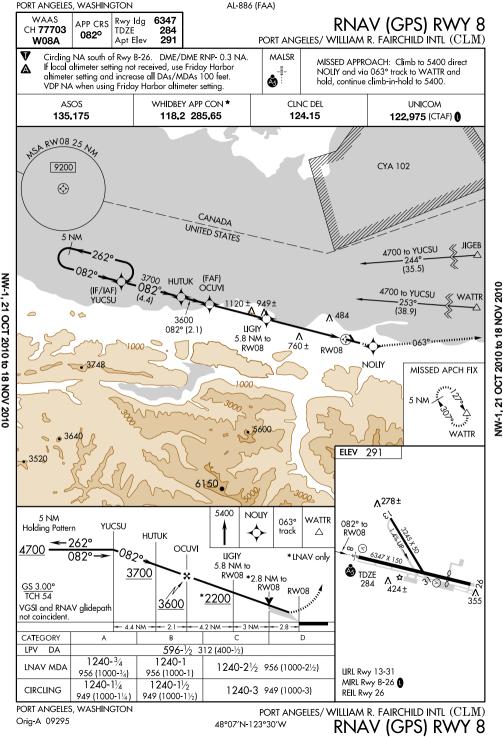
ILS 108.9 I-CLM Rwy 08. Class IA. PORT OF ILWACO (See ILWACO)

PORT OF POULSBO MARINA MOORAGE SPB (See POULSBO) PORT ANGELES, WASHINGTON AL-886 (FAA) Rwy Idg 6347 ILS or LOC RWY 8 APP CRS LOC I-CLM TDŹF 284 108.9 0830 291 PORT ANGELES/WILLIAM R. FAIRCHILD INTL (CLM)Apt Elev MISSED APPROACH: Climb to Circling NA south of Rwy 8-26. MALSR 1000 then climbing left turn to A DME required. 5400 via heading 030° and CVV R-247 to JIGEB/CVV 12.1 DME ---DME from TOU VORTAC. Simultaneous reception of I-CLM and TOU DME required. If local altimeter setting not received, use Friday Harbor altimeter setting and Å and hold, continue climb-in-hold increase all MDAs 100 feet. ILS procedure NA. to 5400. ASOS WHIDBEY APP CON * CINC DEL UNICOM 135,175 124.15 118.2 285.65 122.975 (CTAF) 1 NSA CL 25 MM DME REQUIRED CYA 102 3800 10 NM 5000 -250° 4700 NoPT CANADA 081° (29.6) 9200 UNITED STATES (IF/IAF) Ŋ R-081 YUCSU **JIGEB** TOU 29.6) LOM CVV, 12.1) **ELWHA** 6500 to LOM **HUTUK** 515 CL ---238° (26.3) 3700 TOU 34) 083% TATOOSH 1299± 112.2 TOU 🚃 🗖 -484 A 6500 to LOM *LOC only 243° (38.4) 6500 to YUCSU 262° (9.8) 549± ALTERNATE MISSED APCH FIX PENN COVE 17.2 CVV ..:= WATTR LOCALIZER 108.9 SEA 49.4 Chan 119 1000 I-CLM A 27,96 515 CL MISSED APCH FIX \$5600 1/5 **JIGEB** 117.2 CVV CVV [12.1) Chan 119 ELEV 291 R-247 6150 3000 515 CL Λ^{278±} 5400 1000 YUCSU One Minute CVV **JIGEB** 083° 6.6 NM ,from FAF TOU 29.6) Holding Pattern R-247 HUTUK Δ 117.2 TOU 34 030° 6347 X LOM 4700 08,3°, * LOC only **TDZE** 2486 284 3700 GS 3.00° . 424± **^∧** 355 TCH 54 VGSI and ILS glidepath 3600 not coincident 4.4 NM 5.4 NM 6.6 NM LIRL Rwy 13-31 CATEGORY D Α MIRL Rwy 8-26 (S-ILS 8 486-1/2 202 (200-1/2) REIL Rwy 26 840-11/4 840-1 S-LOC 8 840-1/2 556 (600-1/2) FAF to MAP 6.6 NM 556 (600-11/4) 556 (600-1) Knots 90 120 150 180 840-11/2 860-2 **CIRCLING** 840-1 549 (600-1) Min:Sec 6:36 4:24 3:18 2:38 2:12 549 (600-11/2) 569 (600-2) PORT ANGELES, WASHINGTON PORT ANGELES/WILLIAM R. FAIRCHILD INTL (CLM)Amdt 2A 09295

NW-1, 21 OCT 2010 to 18 NOV 2010

48°07′N-123°30′W

ILS or LOC RWY 8



PORT ANGELES, WASHINGTON AL-886 (FAA) 10210 4993 RNAV (GPS) RWY 26 APP CRS Rwy Ida 282 TDŹE 263° PORT ANGELES/ WILLIAM R. FAIRCHILD INTL (CLM) 291 Apt Elev 7 Circling NA south of Rwy 8-26. DME/DME RNP- 0.3 NA. MISSED APPROACH: Climb to 5400 direct Visibility reduction by helicopters NA. When local altimeter setting not received, A MAPUC and via track 288° to MIDWI and use Friday Harbor altimeter setting; increase all MDA 100 feet and visibility via track 249° to YUCSU and hold. Cats B/C/D ½ mile. WHIDBEY APP CON ★ CLNC DEL **ASOS** UNICOM 135,175 118.2 285.65 124.15 122,975 (CTAF) (SARW 26 25 Ny 9200 \bigcirc CANADA UNITED STATES MIDWI (IAF) 484 WATTR 1120± **SEBTY** 3.9 NM to 3700 RW26 RW26 (IF) (FAF) 18.51 MAPUC COBUX **FAMUV** 3000 580± 249 3700 (6.5)1000 (IAF) JAWBN °2580 MISSED APCH FIX 5 NM ELEV 291 **■**262°•• 0829 ^278± YUCSU 5400 MAPUC MIDW YUCSU VGSI and descent angles not coincident trk trk 288° 249° **COBUX** 263° to RW26

FAMUV

3000

6.5 NM

С

940-13/4

658 (700-13/4)

940-13/4

649 (700-13/4)

SEBTY

3.9 NM

to RW26

.263°

4.3 NM

В

≤ 3.07° TCH 55

1600

658 (700-1)

940-1 649 (700-1)

PORT ANGELES, WASHINGTON Orig 22OCT09

RW26

CATEGORY

LNAV MDA

CIRCLING

3.9 NM

Α

940-1

NW-1, 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 26

Λ ^Δ 424±

NW-1, 21 OCT 2010 to 18 NOV 2010

^∧ 355 TDZE

282

REIL Rwy 26 PORT ANGELES/WILLIAM R. FAIRCHILD INTL $({
m CLM})$ 48°07'N-123°30'W

LIRL Rwy 13-31

MIRL Rwy 8-26 1

٩

3700

Procedure

Turn NA

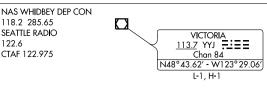
D

940-2

658 (700-1)

940-2

649 (700-2)



TAKE-OFF OBSTACLE NOTES

118.2 285.65 SEATTLE RADIO

CTAF 122.975

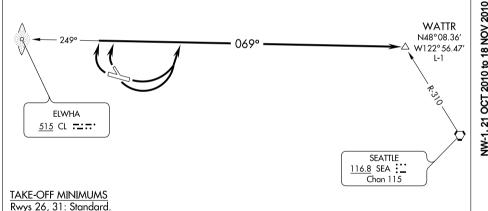
1226

Rwy 13: Multiple trees and pole beginning 1299' from DER, 32' left of centerline, up to 100' AGL/520' MSL. Sign 76' from DER, 230' left of centerline, 5' AGL/276' MSL. Hangar 1550' from DER, 457' left of centerline, 49' AGL/320' MSL.

OL on airport beacon 2023' from DER, 829' left of centerline, 74' AGL/345' MSL. Multiple trees and pole beginning 614' from DER, 11' right of centerline, up to 100' AGL/599' MSL.

Rwy 26: Multiple trees beginning 2940' from DER, 747' left of centerline, up to 95' AGL/378' MSL. Rwy 31: Multiple trees beginning 470' from DER, 39' left of centerline, up to 71' AGL/298' MSL. Multiple trees beginning 640' from DER, 112' right of centerline, up to 63' AGL/290' MSL.

Rwy 8: Multiple trees and poles beginning 130' from DER, 261' left of centerline, up to 124' AGL/415' MSL. Multiple trees and poles beginning 923' from DER, 111' right of centerline, up to 232' AGL/ Hangar 212' from DER, 523' right of centerline, 19' AGL/310' MSL.



Rwy 13: Standard with minimum climb of 454' per NM to 1100.

Rwy 8: 300-1.

NOTE: Chart not to scale. V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 8 and 13: Climbing left turn, thence....

TAKE-OFF RUNWAYS 26 and 31: Climbing right turn, thence....

....on 069° bearing from CL LOM to WATTR INT, maintain 5400.

WATTR FIVE DEPARTURE (OBSTACLE) PORT ANGELES, WASHINGTON PORT ANGELES, WILLIAM PROPERTY PORT ANGELES, WASHINGTON PORT ANGELES, WASHINGT (WATTR5.WATTR) 10042

RWY 16: Brush. Rgt tfc. RWY 34: Brush. AIRPORT REMARKS: Attended Apr-Oct continuously. When able land to the N and depart to the S. Traffic pattern W of fld over water. Noise abatement procedures in effect, contact airport manager for details at 360-945-3139. COMMUNICATIONS: CTAF/UNICOM 122.8

(1RL)

1 SW

POINT ROBERTS AIRPARK

NOTAM FILE SEA RWY 16-34: 2265X125 (TURF)

RCO 122.6 (SEATTLE RADIO)

prior to Idg.

NDB unusable:

on request. . . .

ILS 108.9

I-CLM

085°-110° byd 20 NM 110°-140° bvd 15 NM

140°-180° byd 10 NM

PORT ANGELES CGAS (NOW) (KNOW) CG 2 N UTC-8(-7DT) N48°08.49′ W123°24.84′ B FIIFI 15 NOTAM FILE SEA RWY 07-25: H4500X150 (ASPH) MIRL MILITARY SERVICE: JASU 1(MD-3) FUEL J5. Avbl 1500-0000Z±, other times ltd to search and rescue and CG

PORT ANGELES N48°06.99' W123°29.13'

missions. TRAN ALERT Tran acft arrive between 1500-0000Z‡ only. Ctc Port Angeles Air on 345.0 or 127.7 15 min MILITARY REMARKS: RSTD CLOSED to non-CG fixed wing acft. 24 hr PPR C360-417-5840. CAUTION 150' twr 75 yards south of rwy, marked by strobe lgt.

COMMUNICATIONS: CTAF/UNICOM 122.975 SEATTLE RADIO 122.6

WHIDREY APP/DEP 118 2 285 65 PORT ANGELES AIR 127.7 345.0

CINC DFI 124 15 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA

EDIZ HOOK NDB (MHW) 338 K N48°08.39′ W123°24.13′ at fld. OTS indef.

180°-245° bvd 15 NM 245°-340° byd 10 NM

COMM/NAV/WEATHER REMARKS: Advisory information avbl at Port Angeles Air on prior notice; other CG frequencies avbl

SEATTLE

SEATTLE

SEATTLE H-1B, L-1E

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L-1E

HELIPAD H1: H100X100 (ASPH) PORT ANGELES WILLIAM R FAIRCHILD INTL (CLM) 3 NW UTC-8(-7DT) N48°07.21' W123°29.98' S4 FUEL 100LL, JET A OX 2 LRA NOTAM FILE CLM RWY 08-26: H6347X150 (ASPH-GRVD) S-55, D-66, 2S-83, 2D-115 MIRL RWY 08: MALSR, VASI(V4L)-GA 3.0° TCH 47', Trees. RWY 26: REIL. SAVASI(S2L)—GA 4.0° TCH 49'. Thid dspicd 1354'. Antenna. Rgt tfc. RWY 13-31: H3245X50 (ASPH) S-30 LIRL 1.4% up SE RWY 31: Trees. Rgt tfc. RWY 13: Trees. AIRPORT REMARKS: Attended 1500-0100Z‡. For after hours Jet A call 360-452-6206. Rwy 13-31 CLOSED SS to SR. Waterfowl and birds on and invof arpt. Increased bird activity due to waste landfill located ½ mile northwest AER 08. No air carrier ops. Arpt surrendered arpt opr certificate 12/9/05. ACTIVATE MIRL Rwy 08-26 and MALSR Rwv 08-CTAF.

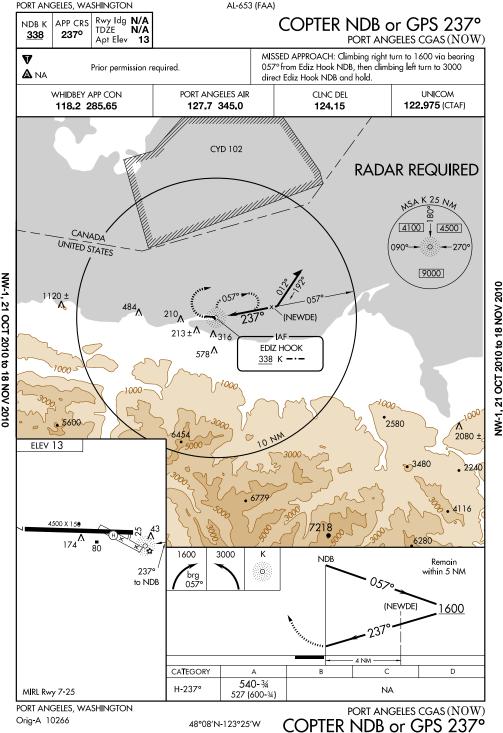
WEATHER DATA SOURCES: ASOS 135.175 (360) 457-1070. COMMUNICATIONS: CTAF/UNICOM 122.975 PORT ANGELES RCO 122.6 (SEATTLE RADIO) R WHIDBEY APP/DEP CON 118.2 CLNC DEL 124.15 AIRSPACE: CLASS E svc 1300-0730Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17.99' 081° 46.5 NM to fld. 1652/22E. HIWAS. W124°37.62' ELWHA NDB (MHW/LOM) 515 CL N48°09.01' W123°40.22' NDB unusable 100°-235° beyond 12 NM.

a ଓ ଓ 03 03 03 083° 7.1 NM to fld. NOTAM FILE CLM. LOM ELWHA NDB. Localizer unusable inside thld.

PORT OF ILWACO (See ILWACO) PORT OF POULSBO MARINA MOORAGE SPB (See POULSBO)

Rwy 08.

Class IA.



UTC-8(-7DT) N46°44.63' W117°06.58'

NOTAM FILE PUW

HIRL

PULLMAN/MOSCOW. ID PULLMAN/MOSCOW RGNL

RWY 05-23: H6730X100 (ASPH) S-57, D-75, 2S-95, 2D-135 RWY 05: REIL, PAPI(P2L)—GA 3.0° TCH 55', Thid dspicd 290'.

(PUW) 3 NE

FUEL 100LL, JET A Class I, ARFF Index A

RWY 23: REIL, PAPI(P4L)—GA 4.0° TCH 60', Thid dspicd 801'.

Ground.

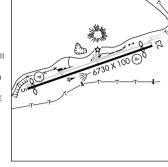
RIINWAY DECLARED DISTANCE INFORMATION:

RWY 05: TORA-6730 TODA-6730 ASDA-6490 LDA-6200 RWY 23: TORA-6730 TODA-6730 ASDA-6040 LDA-5240

AIRPORT REMARKS: Attended 1600-0200Z‡, CLOSED to unscheduled air carrier ops with more than 30 passenger seats except PPR call arpt manager 509-338-3223. Non-payed areas soft. Acft must delay taxiing and remain behind the intermediate holding position line when large acft ops are in progress. No parking between rwy and taxiway and within 30' of taxiway to the north west. ACTIVATE

HIRL Rwv 05-23, and REIL Rwv 05 and Rwv 23-CTAF, Landing

WEATHER DATA SOURCES: ASOS 135.675 (509)334-3222. HIWAS 109.0



SEATTLE

IAP

H-1C, L-13B

COMMUNICATIONS: CTAF/UNICOM 122.8 RCO 122.6 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 123.95

AIRSPACE: CLASS E svc Mon-Fri 1400-0600Z‡, Sat 1700-0000Z‡, Sun 1900-0600Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE PUW.

PIJW

fee for all commercial acft.

(L) VORW/DME 109.0 PUW Chan 27 N46°40.46′ W117°13.41′ 028° 6.3 NM to fld. 2720/20E, HIWAS. DME unmonitored.

N47°08.86'

PUYALLUP

PIERCE CO-THUN FLD (PLU) 5 S UTC-8(-7DT) N47°06.24' W122°17.23' B S4 FUEL 100LL 0X 4 TPA-1538(1000) NOTAM FILE PLU

RWY 16-34: H3650X60 (ASPH) MIRI RWY 16: REIL, PAPI(P4L)—GA 4.0° TCH 53', Trees.

RWY 34: REIL. PAPI(P4R)-GA 4.0° TCH 53'. Road.

AIRPORT REMARKS: Attended 1600Z‡-dusk, Fuel avbl 24 hours with

credit card. Ultralights prohibited. Noise sensitive all quadrants. WEATHER DATA SOURCES: AWOS-3 128.575 (253) 848-2748.

COMMUNICATIONS: CTAF/UNICOM 122.7 SEATTLE APP/DEP CON 126.5 **CLNC DEL** 121.85

RADIO AIDS TO NAVIGATION: NOTAM FILE TOM

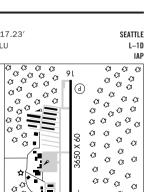
McCHORD (T) VORTAC 109.6 TCM Chan 33

W122°28.50′

Tue. Thu 0700-1600Z±.

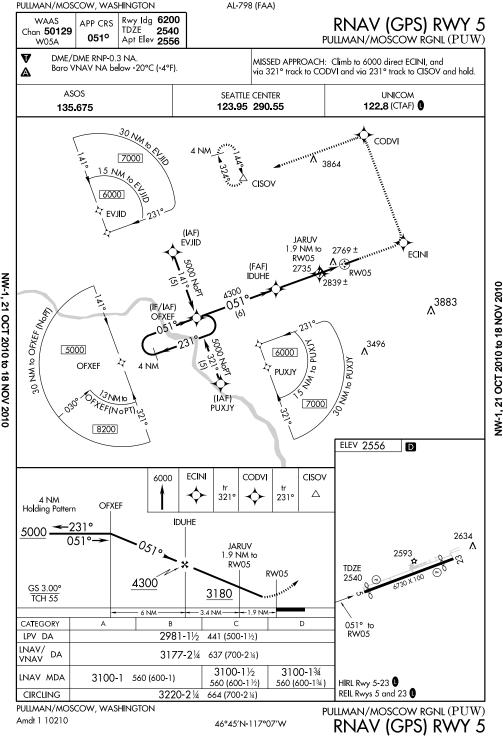
087° 8.1 NM to fld. 284/22E. No NOTAM MP

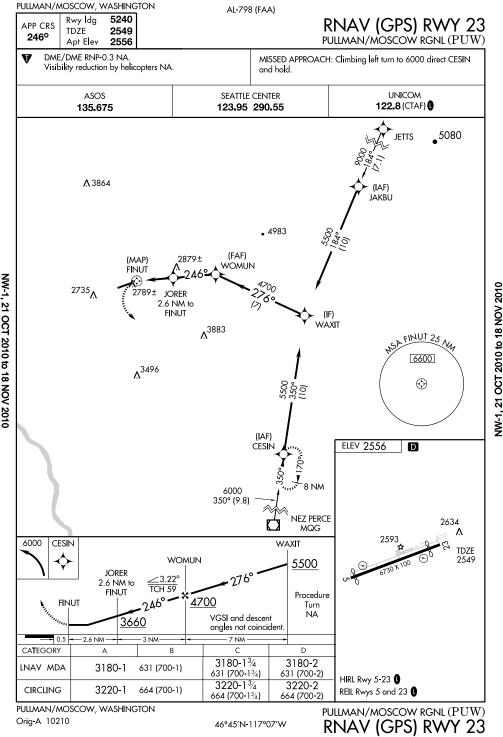
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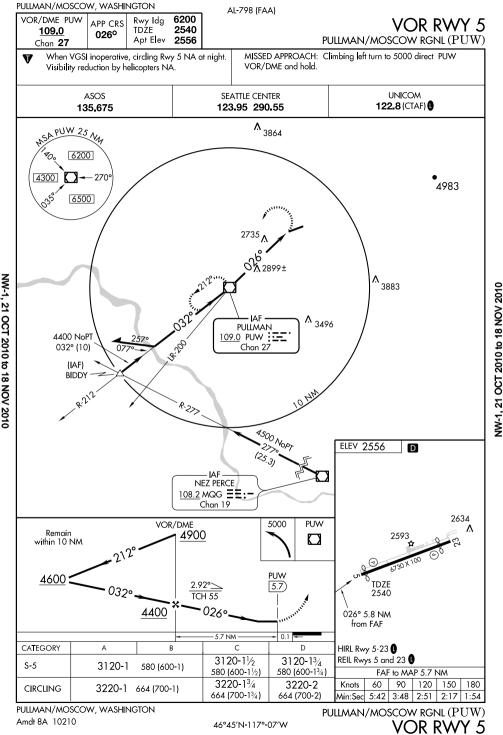


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03 03 03







UTC-8(-7DT) N46°44.63' W117°06.58'

NOTAM FILE PUW

HIRL

PULLMAN/MOSCOW. ID PULLMAN/MOSCOW RGNL

RWY 05-23: H6730X100 (ASPH) S-57, D-75, 2S-95, 2D-135 RWY 05: REIL, PAPI(P2L)—GA 3.0° TCH 55', Thid dspicd 290'.

(PUW) 3 NE

FUEL 100LL, JET A Class I, ARFF Index A

RWY 23: REIL, PAPI(P4L)—GA 4.0° TCH 60', Thid dspicd 801'.

Ground.

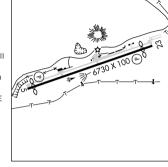
RIINWAY DECLARED DISTANCE INFORMATION:

RWY 05: TORA-6730 TODA-6730 ASDA-6490 LDA-6200 RWY 23: TORA-6730 TODA-6730 ASDA-6040 LDA-5240

AIRPORT REMARKS: Attended 1600-0200Z‡, CLOSED to unscheduled air carrier ops with more than 30 passenger seats except PPR call arpt manager 509-338-3223. Non-payed areas soft. Acft must delay taxiing and remain behind the intermediate holding position line when large acft ops are in progress. No parking between rwy and taxiway and within 30' of taxiway to the north west. ACTIVATE

HIRL Rwv 05-23, and REIL Rwv 05 and Rwv 23-CTAF, Landing

WEATHER DATA SOURCES: ASOS 135.675 (509)334-3222. HIWAS 109.0



SEATTLE

IAP

H-1C, L-13B

COMMUNICATIONS: CTAF/UNICOM 122.8 RCO 122.6 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 123.95

AIRSPACE: CLASS E svc Mon-Fri 1400-0600Z‡, Sat 1700-0000Z‡, Sun 1900-0600Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE PUW.

PIJW

fee for all commercial acft.

(L) VORW/DME 109.0 PUW Chan 27 N46°40.46′ W117°13.41′ 028° 6.3 NM to fld. 2720/20E, HIWAS. DME unmonitored.

N47°08.86'

PUYALLUP

PIERCE CO-THUN FLD (PLU) 5 S UTC-8(-7DT) N47°06.24' W122°17.23' B S4 FUEL 100LL 0X 4 TPA-1538(1000) NOTAM FILE PLU

RWY 16-34: H3650X60 (ASPH) MIRI RWY 16: REIL, PAPI(P4L)—GA 4.0° TCH 53', Trees.

RWY 34: REIL. PAPI(P4R)-GA 4.0° TCH 53'. Road.

AIRPORT REMARKS: Attended 1600Z‡-dusk, Fuel avbl 24 hours with

credit card. Ultralights prohibited. Noise sensitive all quadrants. WEATHER DATA SOURCES: AWOS-3 128.575 (253) 848-2748.

COMMUNICATIONS: CTAF/UNICOM 122.7 SEATTLE APP/DEP CON 126.5 **CLNC DEL** 121.85

RADIO AIDS TO NAVIGATION: NOTAM FILE TOM

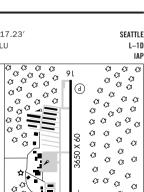
McCHORD (T) VORTAC 109.6 TCM Chan 33

W122°28.50′

Tue. Thu 0700-1600Z±.

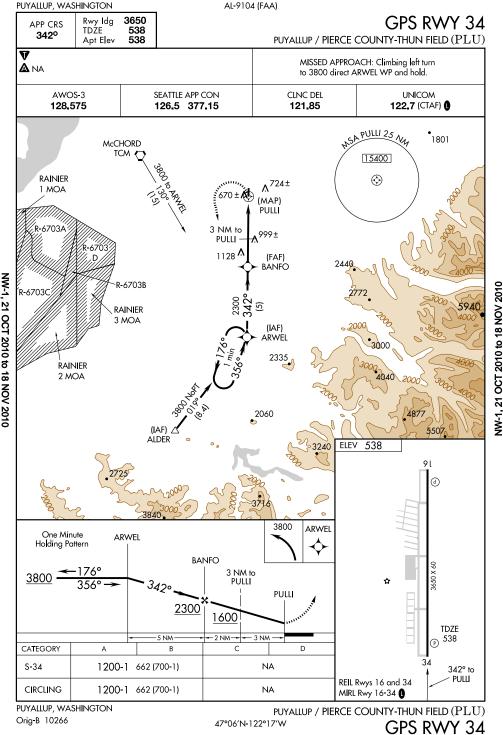
087° 8.1 NM to fld. 284/22E. No NOTAM MP

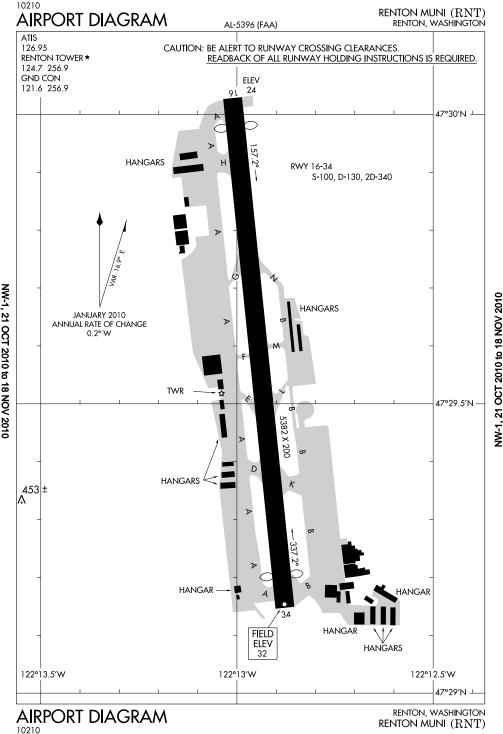
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SEATTLE

IAP, AD

SEATTLE

SEATTLE

H-1B, L-1D

WASHINGTON

RENTON

RENTON MUNI (RNT) 0 NW UTC-8(-7DT) N47°29.59' W122°12.95'

FUEL 100LL, JET A1 + 0X 1, 2 TPA—See Remarks LRA RWY 16-34: H5382X200 (ASPH-CONC-GRVD) MIRL (NSTD) S-100, D-130, 2D-340

Road, Rgt tfc.

RWY 34: REIL. PAPI(P2L)—GA 3.75° TCH 59'. Thid dspicd 340'.

RWY 16: REIL. PAPI(P2L)-GA 3.0° TCH 50'. Thid dspicd 300'.

AIRPORT REMARKS: Attended 1500Z‡-Dusk. Acft requiring svcs ctc 122.85 or 122.95. Numerous flocks of birds invof arpt and along

Lake Washington shoreline at all times. Rwy 34 20' blast fence 190' from end of rwy. Be alert for Boeing production acft being towed across the rwy during hours twr closed. Seaplane base NW corner of arpt. TPA-1032(1000). TPA west of the fld is 1218' AGL

due to terrain immediately west of the arpt. West twy closed to acft with wing span 118' or over. Noise abatement procedures in effect ctc arpt manager 425-430-7471, Rwv 16-34 NSTD MIRL. 340' SE end unlit. ACTIVATE MIRL Rwy 16-34, REIL Rwy 16 and

WEATHER DATA SOURCES: ASOS (425) 255-6080. LAWRS. COMMUNICATIONS: CTAF 124.7 ATIS 126.95

UNICOM 122.95 (R) SEATTLE APP/DEP CON 119.2 (076°-160° RWV 16) (341°-075°) 120.1

Rwy 34 and twy Igts—CTAF. Flight Notification Service (ADCUS)

TOWER 124.7 (Oct 1-Apr 30 1500-0400Z‡, May 1-Sep 30 1500-0500Z‡) **GND CON 121.6** AIRSPACE: CLASS D svc Oct 1-Apr 30 1500-0400Z‡, May 1-Sep 30 1500-0500Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58'

RNT N47°29.73' W122°12.88' NDB (MHW) 353 at fld. NOTAM FILE RNT.

NDB unusable 035°-085° beyond 20 NM. COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

WILL ROGERS WILEY POST MEM SPB (W36)

1 N UTC-8(-7DT)N47°29.99' W122°13.16' FUEL 100LL, JET A, JET A1+ OX 1, 2 LRA NOTAM FILE RNT

WATERWAY 12-30: 5000X200 (WATER)

WATERWAY 12: Rgt tfc

SEAPLANE REMARKS: Attended 1500Z‡-Dusk. Ctc Renton twr when operating, for tfc data. When twr not operating

6 NE UTC-8(-7DT) N48°43.09' W118°39.39'

NOTAM FILE SEA

announce intentions on 124.7. When flying inbound or outbound in the west channel waterway above 800' AGL ctc Boeing twr freq 118.3 for traffic advisories. Flocks of waterfowl in vicinity, CAUTION advised Idgs and UNICOM 122.8

takeoffs. Extensive boating and personal watercraft in vicinity. Flight Notification Service (ADCUS) available. COMMUNICATIONS: CTAF 124.7

REPUBLIC FERRY CO

RWY 17-35: H3498X60 (ASPH) MIRL RWY 17: REIL. Tree. Rgt tfc.

RWY 35: REIL. VASI(V2L)-GA 4.0° TCH 23'. Trees.

(R49) B TPA-3322(800)

AIRPORT REMARKS: Unattended. Suggest ngt ldgs be made on Rwy 35.

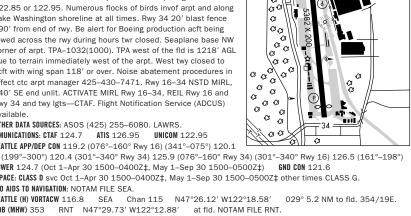
Rwy 17-35 trees located on unlgtd unmarked mountainous

terrain. P-lines NE of Rwy 17 Igtd dusk-dawn. ACTIVATE MIRL Rwy

17-35 and VASI Rwy 35, REIL Rwy 17 and Rwy 35-122.8.

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

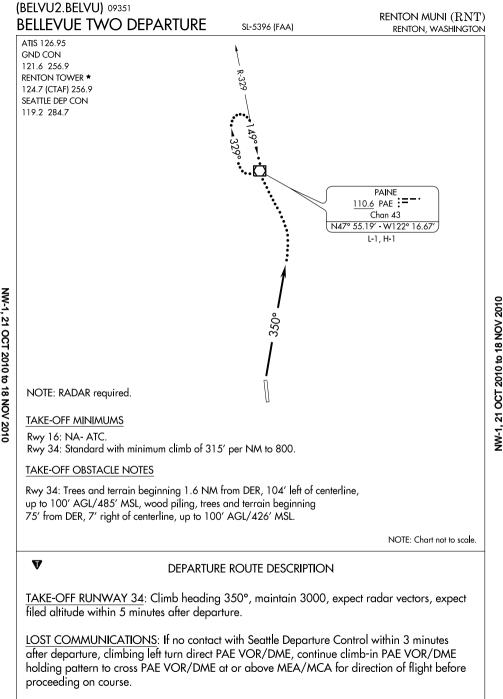
EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 360° 86.2 NM to fld. 1250/21E.



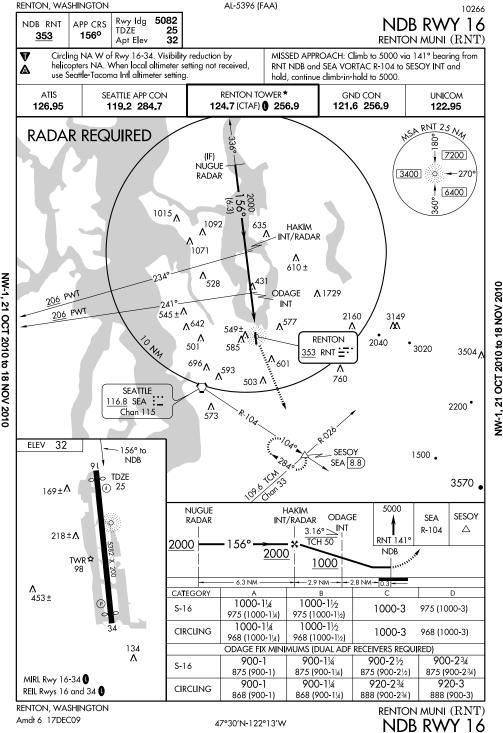
NOTAM FILE RNT

L-13A

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BELLEVUE TWO DEPARTURE



121.6 256.9 RENTON TOWER ★ 124.7 (CTAF) 256.9 SEATTLE DEP CON 119.2 284.7 1000 **SEATTLE** 116.8 SEA : " Chan 115 N47°26.12′ - W122°18.58′ NW-1, 21 OCT 2010 to 18 NOV 2010 L-1, H-1 NOTE: RADAR required. TAKE-OFF MINIMUMS Rwy 16: Standard with a minimum climb of 405' per NM to 800. Rwy 34: NA- ATC. TAKE-OFF OBSTACLE NOTES Rwy 16: Trees, towers, lights and blast shield beginning 186' from DER, 4' left of centerline, up to 100' AGL/574' MSL. Trees, lights and signs beginning 40' from DER, 54' right of centerline, up to 100' AGL/297' MSL. NOTE: Chart not to scale. V DEPARTURE ROUTE DESCRIPTION TAKE-OFF RUNWAY 16: Climb heading 150° to 1000, then climbing left turn heading 130°, expect radar vectors, maintain 3000, expect filed altitude within 5 minutes after departure. LOST COMMUNICATIONS: If no contact with Seattle Departure Control within 3 minutes after departure, climbing right turn direct SEA VORTAC, continue climb-in SEA VORTAC holding pattern to cross SEA VORTAC at or above MEA/MCA for direction of flight before proceeding on course. RENTON, WASHINGTON RENTN TWO DEPARTURE RENTON MUNI (RNT) (RENTN2.RENTN) 09351

SL-5396 (FAA)

RENTON MUNI (RNT)

RENTON, WASHINGTON

NW-1, 21 OCT 2010 to 18 NOV 2010

(RENTN2.RENTN) 09351

ATIS 126.95 GND CON

RENTN TWO DEPARTURE

RENTON, WASHINGTON AL-5396 (FAA) 10266 RNAV (GPS) Y RWY 16 5082 Rwy Idg APP CRS TDŹE 25 157° RENTON MUNI (RNT)32 Apt Elev Circling NA W of Rwy 16-34. DME/DME RNP- 0.3 NA. MISSED APPROACH: Climb to 5000 direct CUPAT V and via track 107° to SESOY and hold, continue Visibility reduction by helicopters NA. When local altimeter A setting not received, use Seattle-Tacoma Intla limeter setting. climb-in-hold to 5000. ATIS SEATTLE APP CON RENTON TOWER★ GND CON UNICOM 121.6 256.9 126.95 119.2 284.7 124.7 (CTAF) 0 256.9 122.95 (IAF) Procedure NA for arrivals at PAE VOR/DME PAINE 2000 via V23 northbound PAE 58° (14.6) (IAF) (IF) 2000 HAVHO LUTSY 253 (6) RADAR required for transition to HAVHO. 1015 6576 1092 **^** 1071 610± (FAF) BLEIR **∧** 528 ¹⁷²⁹Λ 431 545 ±∧ 485± (MAP) 3149 ۸⁵⁷⁷ 2160_A TOYOL 642 **^** À٨ SA TOYOL 25 NA **.** 585 2040 501 3504 ∧⁶⁰¹ ۸⁷⁶⁰ 696 **^** 7200 \Diamond 503 2200 . CUPAT ELEV 32 1500 3570 **TDZE** 25 169±Λ 5000

LUTSY

Α

880-1

848 (900-1

2000

Procedure

Turn

NA

CATEGORY

134

LNAV MDA

CIRCLING

REIL Rwys 16 and 34 0 RENTON, WASHINGTON Amdt 3 17DEC09

MIRL Rwy 16-34 (

218±Λ

Λ 453±

TWR A

98

NW-1, 21 OCT 2010 to 18 NOV 2010

RENTON MUNI (RNT)RNAV (GPS)

C

760-2

735 (800-2)

920-23/4

888 (900-234)

CUPAT

TOYOL

tr

107°

760-21/4

735 (800-21/4)

920-3

888 (900-3)

SESOY

Δ

NW-1, 21 OCT 2010 to 18 NOV 2010

47°30′N-122°13′W

1.8 NM to

TOYOL

BLEIR

В

880-11/4

848 (900-11/4)

3.04° TCH 50 2.6 NM

1600

760-1 735 (800-1)

176 WASHINGTON

RIB00 N46°22.23′ W119°15.55′.

NDB (LOM) 260 RI

RICHI AND 2 NW UTC-8(-7DT) N46°18.34′ W119°18.25′ (RLD)

NOTAM FILE SEA

186° 4.3 NM to Richland, LOM unmonitored when PASCO twr clsd.

186°

394 S2 FUEL 100LL JET A TPA-1194(800) NOTAM FILE RLD RWY 01-19: H4009X75 (ASPH) S-30, D-45, 2D-70 MIRI

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 30'. Antenna. RWY 19: MALS, REIL, PAPI(P2L)—GA 3.0° TCH 30', Pole, Rgt tfc. RWY 08-26: H3995X100 (ASPH) S-30, D-45, 2D-70 MIRI RWY 08: ODALS, PAPI(P2L) GA 3.0° TCH 40', Ground, RWY 26: VASI(V4L)—GA 3.0° TCH 50', Railroad, Rgt tfc. AIRPORT REMARKS: Attended 1600-0200Z±, Parachute Jumping.

CAUTION: Road 550' west of approach end of Rwy 08. Rwy 08 CLOSED nights to Part 135 operations, ACTIVATE MIRL Rwy 01-19. REIL Rwy 01 and Rwy 19. MALS Rwy 19 and ODALS Rwy 08-CTAF. VASI Rwy 26 and PAPI Rwy 01, Rwy 08 and Rwy 19 opr 24 hrs. WEATHER DATA SOURCES: AWOS-3 132.675 (509) 375-4247. COMMUNICATIONS: CTAF/UNICOM 122.7

R SEATTLE APP/DEP CON 132.6 (0600-1400Z±). RADIO AIDS TO NAVIGATION: NOTAM FILE PSC. N46°15 78' PASCO (L) VORW/DME 108.4 PSC Chan 21 W119°06 94' 268° 8.3 NM to fld. 400/20E.

RIBOO NDB (LOM) 260

R CHINOOK APP/DEP CON 128.75 (1400-0600Z±).

ILS/DME 110.5 I-RLD Chan 42 Rwv 19 twr clsd. COMM/NAV/WEATHER REMARKS: CLNC DEL provided by SEATTLE Radio on 122.4.

RL N46°22.23' W119°15.55'

RIMROCK

4.3 NM to fld. LOM unmonitored when PASCO twr clsd.

TIETON STATE (4S6) 2 S UTC-8(-7DT) N46°38.25' W121°07.44'

2964 NOTAM FILE SEA

RWY 02-20: 2509X140 (TURF)

RWY 02: Trees. RWY 20: Trees.

AIRPORT REMARKS: Unattended. CLOSED 1 Oct-1 June. Rwy 02 obstructed by mountains at 1000'. Rwy 20 obstructed by mountains at 1000'. Pedestrians, vehicles and wildlife on and invof arpt. Rwy 02-20 surface rough. Ctc Washington State Aviation Division 360-651-6300 or for Washington only 1-800-552-0666 for facility

information prior to use. COMMUNICATIONS: CTAF 122.9

3995 X 100 Localizer only, LOM RIBOO NDB, Unmonitored when PASCO SEATTLE

RITTS N48°03.17′ W122°17.33′. NOTAM FILE PAF

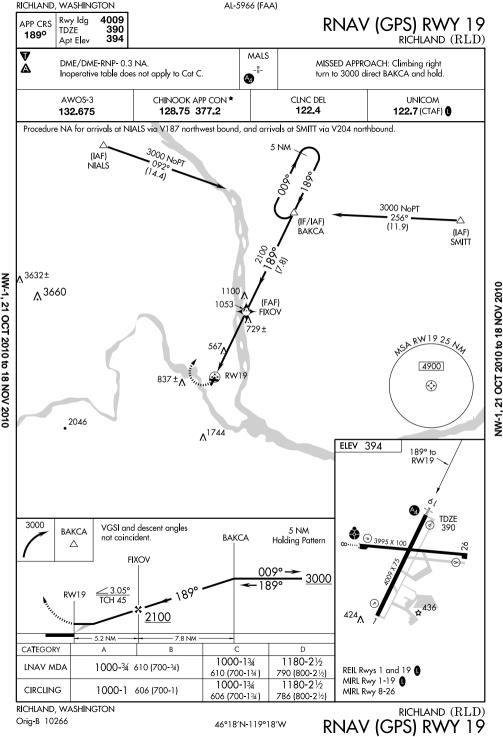
SEATTLE

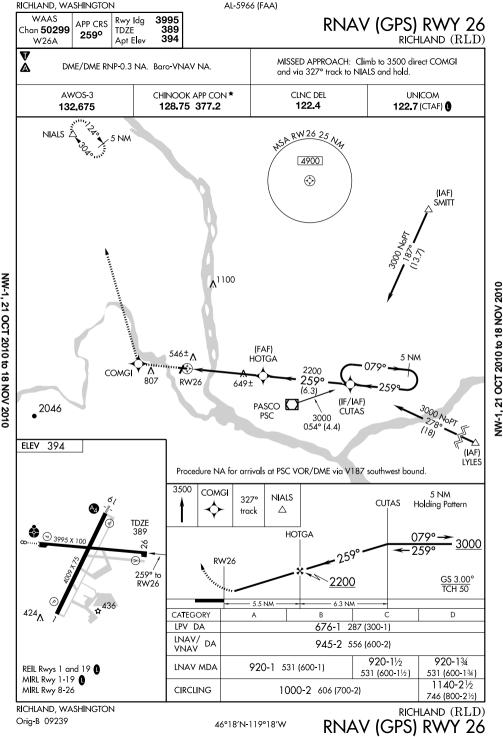
SFATTLE

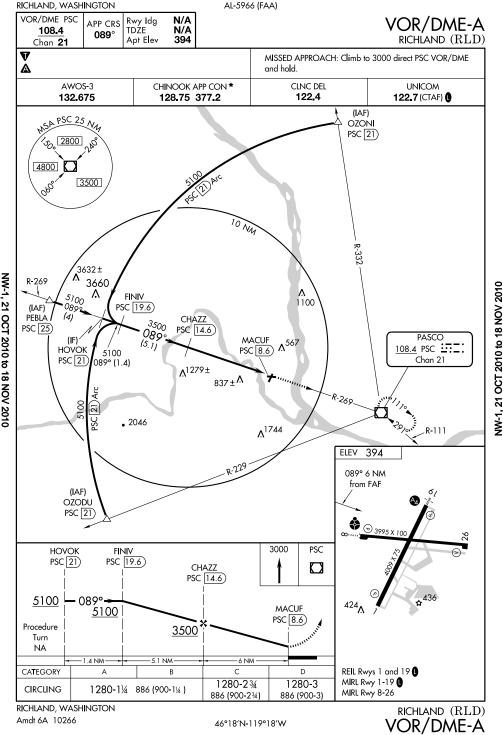
I_13A IAP

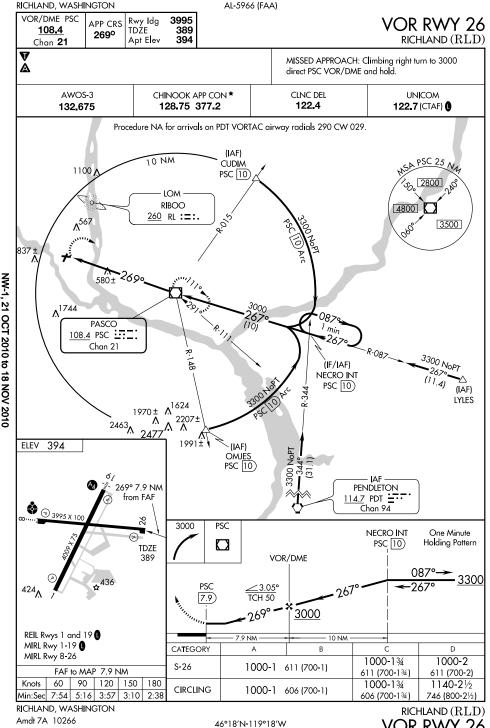
SEATTLE

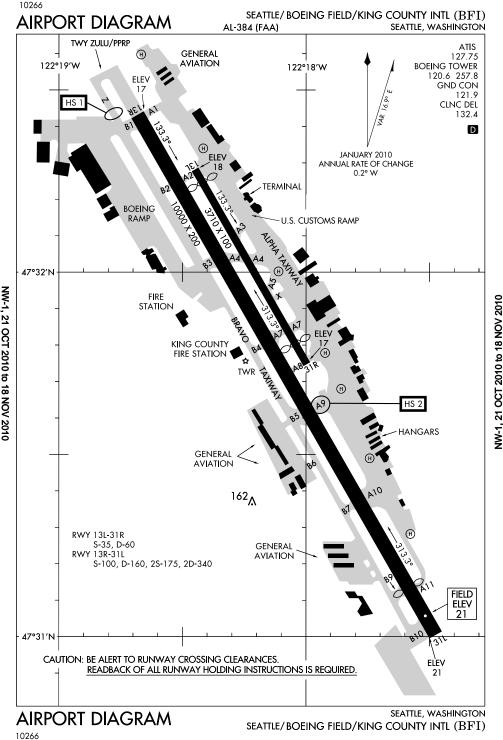
NDR (LOM) 396 PA 158° 8 8 NM to Snohomish Co (Paine Fld)











WASHINGTON 178

SEATTLE N47°26.12′ W122°18.58′ NOTAM FILE SEA. (H) VORTACW 116.8 SEA Chan 115 at Seattle-Tacoma Intl. 354/19E.

303°-333° beyond 20 NM below 2,900'

303°-333° beyond 30 NM below 4,000'

008°-023° beyond 20 NM below 3,500'

Class II. ARFF Index A NOTAM FILE BFI

RWY 13R-31L: H10000X200 (ASPH-GRVD) S-100, D-160,

RCO 122.5 (SEATTLE RADIO)

S-35, D-60

UTC-8(-7DT) N47°31.80′ W122°18.12′

(3

Rwy 13L-31R: 3710 X 100

4 S

B S4 FUEL 100LL, JET A OX 1, 2,3, 4 TPA—See Remarks

008°-028° byd 20 NM blo 4,500' 008°-028° byd 30 NM blo 7,000'

333°-353° beyond 15 NM below 3,500' 353°-008° beyond 20 NM below 2.900'

VOR portion unusable:

DME portion unusable:

RCO 123.65 (SEATTLE RADIO)

BOEING FLD/KING CO INTL (BFI)

SEATTLE

RWY 31L: REIL. PAPI(P4L)-GA 3.1° TCH 39'. Thid dspicd 880'. Railroad

2S-175, 2D-340 HIRL RWY 13R: MALSF. PAPI(P4L)-GA 3.0° TCH 39'. Fence. Rgt tfc.

RWY 13L-31R: H3710X100 (ASPH-GRVD) RWY 13L: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Thid dspicd 240'. Glide Slope Antenna.

RWY 31R: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Thid dspicd 365'. Tree, Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION:

RWY 13R: TORA-10001 TODA-10000 ASDA-9120 LDA-9120

RWY 31L: TORA-10001 TODA-10001 ASDA-10001 LDA-9120

AIRPORT REMARKS: Attended continuously. Bird flocks within arpt vicinity, check local advisories. BFI Tower is authorized to conduct

twin engine propeller driven or smaller acft. Rwy 13L-31R not available for air carrier ops. Rwy 13L-31R limited to use by acft up to 12,500 lbs. Touch and go ldgs prohibited 0600-1500Z‡.

Twr 80' AGL located 1200' north and 900' west of thid Rwy 13R. If access to Boeing ramp required; ctc Boeing

parking arrangements for acft over 12,500 lbs maximum tkf weight is recommended. Twy A, B, and all intersections have NSTD markings. Extensive helicopter training activity on Twy B. For noise abatement

simultaneous same direction ops to parallel rwys SR to SS for

206-764-5710. Itinerant/transient parking avbl. Ctc ops 206-296-7334. PPR for acft greater than 12,500 lbs. Rwy 13L-31R TPA-1000(979), Rwy 13R-31L TPA-800(779). HIRL Rwy 13R-31L open dusk-dawn. MIRL Rwy 13L-31R not opr 1400-2300Z‡. Flight Notification Service (ADCUS) available. NOTE: See Special Notices

Section—Simultaneous Operations. WEATHER DATA SOURCES: ASOS (206) 763-6904. COMMUNICATIONS: ATIS 127.75 (206) 767-4113 UNICOM 122.95

SEATTLE FSS (SEA) on arpt.

SEATTLE RCO 122.5 (SEATTLE RADIO) SEATTLE RCO 123.65 (SEATTLE RADIO)

® SEATTLE APP/DEP CON 119.2 (076°-160° Rwy 13) (341°-075°) 120.1 (199°-300°) 120.4 (301°-340° Rwy 31) 125.9 (076°-160° Rwy 31) (301°-340° Rwy 13) 126.5 (161°-198°)

BOEING TOWER 120.6 (128°-308° and Departures Rwy 13R-31L, also all Jets, heavy aircraft and IFR arrivals.

118.3 309°-127° and Departures Rwy 13L-31R.) GND CON 121.9 CLNC DEL 132.4

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

SEATTLE (H) VORTACW 116.8 SEA

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

Chan 115 N47°26.12' W122°18.58' NOLLA NDB (LOM) 362 BF N47°37.95′ W122°23.37′ 130° 7.1 NM to fld.

I-BFI Chan 46 ILS/DME 110.9 Rwy 13R. Class IA. LOM NOLLA NDB. Localizer back course

unusable byd 13 NM blo 3,500'. Localizer back course unusable byd 10° left and right of course. Localizer unusable byd 20° left of course. DME unusable byd 30° left of course. ILS/DME 110.9 I-CHJ Class IA. Localizer unusable byd 15° east of course. Chan 46 Rwy 31L.

procedures, ctc noise office at 206-296-7437. Twy Z and 880' special use pavement avbl 72 hrs PPR. Ctc arpt

ops 206-296-7334. For Museum of Flight transient acft parking, prior permission required, call

ILS/DME unusable byd 10° right of course.

H-1B, L-1D 008°-023° beyond 30 NM below 4,100'

233°-273° beyond 8 NM below 5,500'

303°-008° byd 30 NM below 3,500′

203°-253° byd 27 NM.

SEATTLE

233°-273° beyond 20 NM below 8,000' 233°-273° beyond 30 NM below 10.000'

233°-273° beyond 35 NM below 3,500'

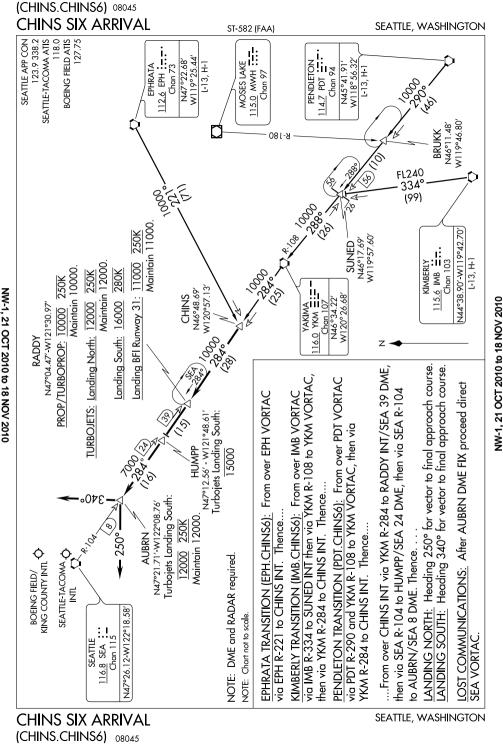
SEATTLE

H-1B. L-1D IAP. AD ය ය GG 03

Flight Dispatch 206-655-3421 for approval during normal duty hours. Twy A6 clsd indef. Twy B8 clsd indef. Twy A1 and Twy A from A1-A3 restricted to acft up to 150,000 pounds and less than 108' wingspan. Twy A2, B2 and

344° 5.7 NM to fld. 354/19E.

A11 restricted to acft up to 60,000 pounds. Twy A3, A5, and A8 restricted to acft up to 12,500 pounds. PPR for



(EPH.EPH6) 10042 FPHRATA SIX ARRIVAL SEATTLE, WASHINGTON ST-582 (FAA) SEATTLE APP CON 123.9 338.2 SEATTLE-TACOMA ATIS 118.0 **BOEING FIELD ATIS** 127.75 PAINE 110.6 PAE := Chan 43 FLAAK N47°45.58′ SPOKANE W121°26.95' 115.5 GEG • -250KIAS Chan 102 -R-086 250° 12000 26.50 65 R-066 (85) 18000 R-082 2620 250° **HETHR** N47°33.54′ **EPHRATA** W122°08.70′ 112.6 EPH :... Chan 73 **ODESS** N47°22.68′-W119°25.44′ MOSES LAKE N47°08.21′ BOEING FIELD/ 115.0 MWH :... W117°58.45′ KING COUNTY INTL _ Chan 97 H-1 ♦ SEATTLE-TACOMA INTL SEATTLE 116.8 SEA :: Chan 115 N47°26.12′-W122°18.58′ NOTE: DME and RADAR required.

ODESS TRANSITION (ODESS.EPH6): From over ODESS INT via EPH R-082 to EPH VORTAC. Thence....

....From over EPH VORTAC via EPH R-265 and PAE R-086 to FLAAK INT. Then via heading 250° to intercept the SEA R-023, then via SEA R-023 to HETHR DME Fix, thence....

LANDING NORTH: Heading 160° for vectors to final approach course; LANDING SOUTH: Heading 250° for vectors to final approach course.

LOST COMMUNICATIONS: From over HETHR DME proceed direct SEA VORTAC.

EPHRATA SIX ARRIVAL

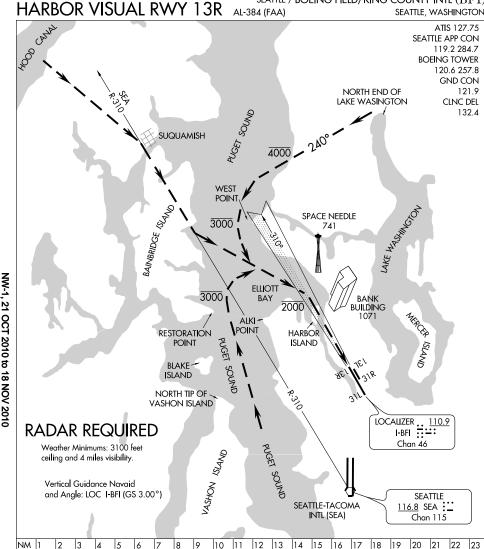
SEATTLE, WASHINGTON

NW-1, 21 OCT 2010 to 18 NOV 2010

(EPH.EPH6) 10042

BOEING FEED/

ARRIVAL



HARBOR VISUAL APPROACH RWY 13R

Expect radar vectors from the Northwest, over the Hood Canal on the SEA R-310; from the North and Northeast, to the north end of Lake Washington; from the Southwest, South and Southeast, to Puget Sound abeam the north tip of Vashon Island. When cleared for the Harbor Visual Approach Runway 13R, proceed via the depicted routes over the middle of Puget Sound and Elliott Bay to Harbor Island and complete a straight in visual approach to Boeing Field/King County Intl Airport (BFI). Adherence to the recommended altitudes is strongly recommended to reduce the incidence of TCAS alarms. Visual approaches to Seattle-Tacoma Intl Airport (SEA) may be conducted simultaneously through Elliott Bay. It is essential that all aircraft remain in the center of Elliot Bay for noise abatement.

6

18

HOT SPOTS

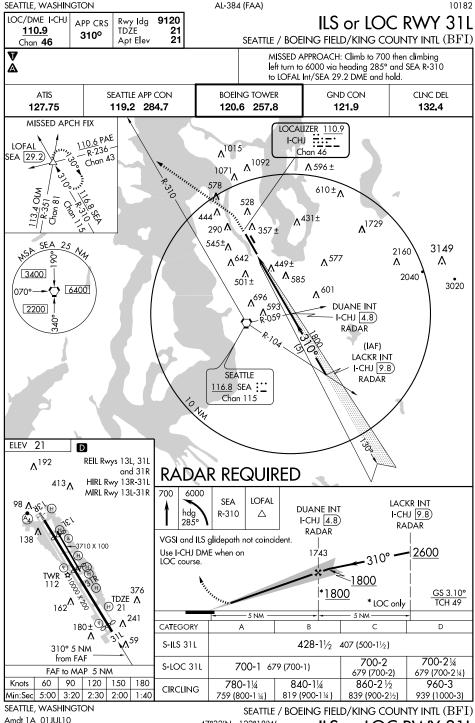
An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

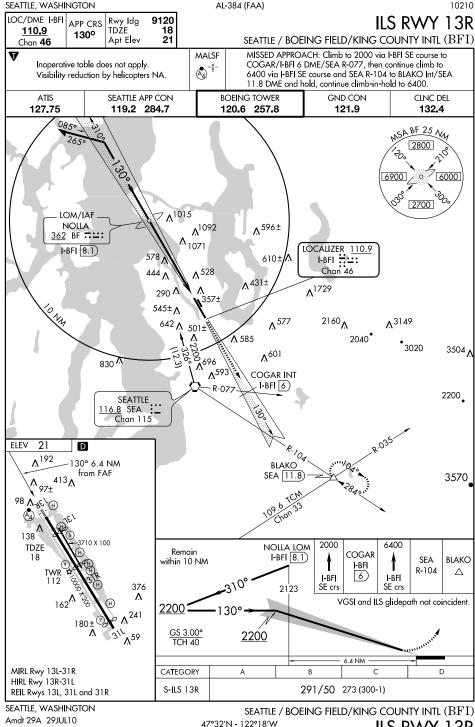
increased risk has been reduced or e	•	t spots will remain charted on airport diagrams until such time
CITY/AIRPORT	HOT SPOT	DESCRIPTION*
BILLINGS, MT		
BILLINGS, MT BILLINGS LOGAN		
INTL (BIL)	HS 1	Rwy 28R hold line at an unusual location at east edge of run up area.
	HS 2	Twy H crosses Rwy 07 protected area.
BOISE, ID		
BOISE AIR TERMINAL/GOWEN		
FLD (BOI)	HS 1	Multiple hold lines visible, left turn at Twy A for departure on Rwy 10L.
CHEYENNE,WY		
CHEYENNE RGNL/JERRY		
OLSON FIELD (CYS)	HS 1	Confusing twy configuration.
EUGENE, OR		
MAHLON SWEET FIELD (EUG)	HS 1	No access to Rwy 34L past Twy A9.
EVERETT, WA		
SNOHOMISH COUNTY		
(PAINE FIELD) (PAE)	HS 1	Hold line for Rwy 11-29 on Twy A4 and Twy A5
(: /:::12 : :225) (: /:2)		int are more than 500' wide.
	HS 2	Rwy 29 thr in close proximity to ramp areas.
	HS 3	Twy A between Twy A8 and Twy A9 not visible from ATCT.
GREAT FALLS, MT		
GREAT FALLS INTL (GTF)	HS 1	No Rwy 21 access beyond A1.
	HS 2	A3 aligned with Rwy 25, wrong rwy departure risk.
IDAHO FALLS, ID		
IDAHO FALLS RGNL (IDA)	HS 1	Rwy 17-35 Twy C hold bars.
	HS 2	Twy A1 and Rwy 20 apch hold bar.
	HS 3	Rwy 17 and Twy A hold bar.
LEWISTON, ID		
LEWISTON-NEZ PERCE	110.4	T 0 1T 0:41
COUNTY (LWS)	HS 1	Twy C and Twy G int close proximity to Rwy 12-30.
	HS 2	Twy G between Rwy 08-26 and Rwy 30 thr.
		Short distance between rwys.
PORTLAND, OR		
PORTLAND INTL (PDX)	HS 1	Limited wing-tip clearance at twy convergence point.
SALEM, OR		
MCNARY FLD (SLE)	HS 1	When the ATCT is closed aircraft should not hold at
		this position if traffic is arriving or departing Rwy 13-31.

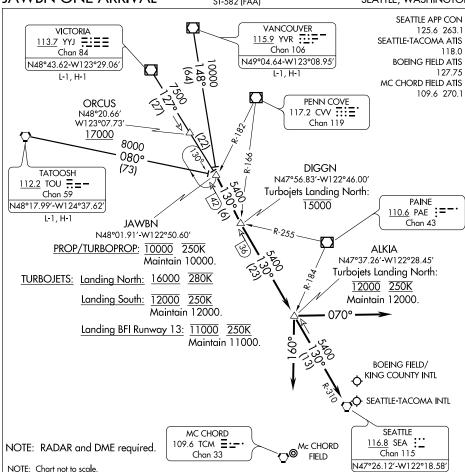
21 OCT 2010 to 18 NOV 2010

10266			
HOT SPOTS			
(CONTINUED)			
CITY/AIRPORT	HOT SPOT	DESCRIPTION*	
CITY/AIRPORT SEATTLE, WA BOEING FIELD/ KING COUNTY INTL (BFI) SEATTLE, WA SEATTLE-TACOMA INTL (SEA)	HS 1 HS 2 HS 1	Twy Z restricted access area. Rwy 13R-31L and Twy A9. Wrong rwy departure risk. Aircraft exiting Rwy 34R via Twy H then Twy J; limited distance between rwys.	
*See appropriate A/FD, Ala:	ska or Pacif	ic Supplement HOT SPOT table for additional information.	



ILS or LOC RW





TATOOSH TRANSITION (TOU.JAWBN1): From over TOU VORTAC via TOU R-080 to JAWBN INT. Thence....

VANCOUVER TRANSITION (YVR.JAWBN1): From over YVR VORTAC via YVR R-148 to JAWBN INT. Thence....

VICTORIA TRANSITION (YYJ.JAWBN1): From over YYJ VOR/DME via YYJ R-127 to JAWBN INT. Thence....

....From over JAWBN INT/SEA 42 DME via SEA R-310 to DIGGN/SEA 36 DME then via SEA R-310 to ALKIA INT/SEA 13 DME, thence....

<u>LANDING NORTH:</u> Depart ALKIA INT heading 160° for vectors to final approach course. LANDING SOUTH: Depart ALKIA INT heading 070° for vectors to final approach course.

LANDING McCHORD FIELD: After ALKIA INT proceed direct SEA VORTAC.

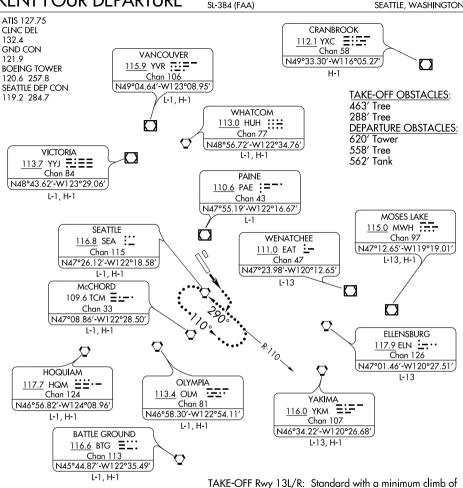
LOST COMMUNICATIONS: After ALKIA INT proceed direct SEA VORTAC.

(KENTT4.KENTT) 10210 SEATTLE/BOEING FIELD/KING COUNTY INTL (RFT)

KENT FOUR DEPARTURE

SL-384 (FAA)

SEATTLE, WASHINGTON



V

NOTE: Chart not to scale.

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 13L/R: Climb runway heading, expect radar vectors to assigned route/fix. Maintain 2000 or ATC assigned altitude, expect clearance to filed altitude within 3 minutes after departure.

LOST COMMUNICATIONS: If no contact with departure control within 3 minutes after departure, climbing right turn direct SEA VORTAC, climb in SEA VORTAC holding pattern (E, left turn 290° inbound) to cross SEA VORTAC at or above MEA/MCA for direction of flight before proceeding enroute.

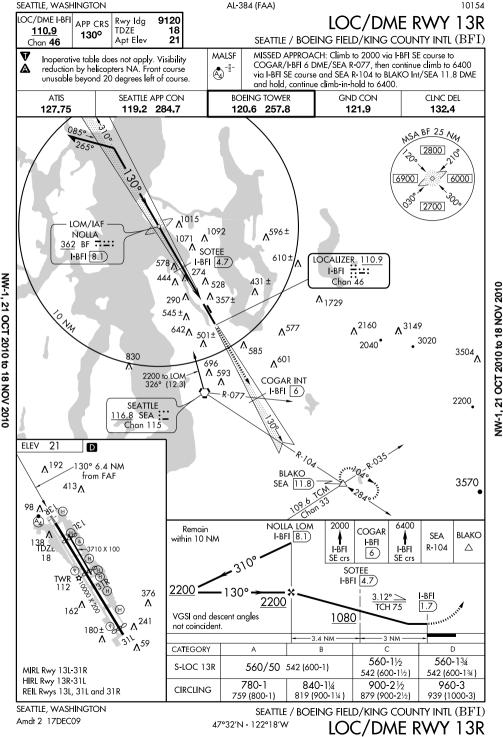
KENT FOUR DEPARTURE (KENTT4.KENTT) 10210

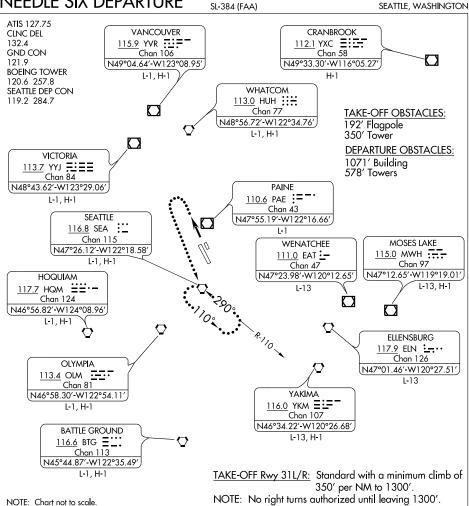
SEATTLE, WASHINGTON

W-1, 21 OCT 2010 to 18 NOV 2010

380' per NM to 700'.

NOTE: No left turns authorized until leaving 1000'.





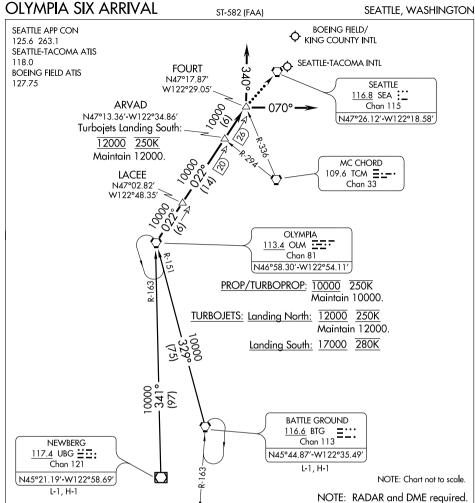
V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 31L/R: Climb runway heading, expect radar vectors to assigned route/fix. Maintain 2000 or ATC assigned altitude, expect clearance to filed altitude within 3 minutes after departure.

LOST COMMUNICATIONS: If no contact with departure control within 3 minutes after departure, climbing left turn direct SEA VORTAC, climb in SEA VORTAC holding pattern (E, left turn 290° inbound) to cross SEA VORTAC at or above MEA/MCA for direction of flight before proceeding enroute.

NEEDLE SIX DEPARTURE (NEEDL6.NEEDL) 10210



BATTLE GROUND TRANSITION (BTG.OLM6): From over BTG VORTAC via BTG R-329 and OLM R-151 to OLM VORTAC. Thence....

 $\frac{\text{NEWBERG TRANSITION (UBG.OLM6):}}{\text{OLM R-}163 \text{ to OLM VORTAC.}} \text{ From over UBG VOR/DME via UBG R-}341 \text{ and}$

....From over OLM VORTAC via OLM R-022 to LACEE/OLM 6 DME, then via OLM R-022 to ARVAD INT/OLM 20 DME, then via OLM R-022 to FOLIRT INT/OLM 26 DME, thence

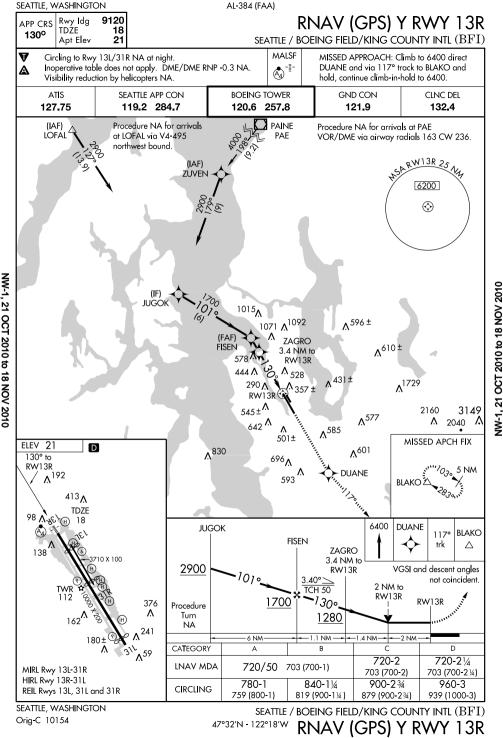
to ARVAD INT/OLM 20 DME, then via OLM R-022 to FOURT INT/OLM 26 DME, thence... LANDING NORTH: Depart FOURT INT/OLM 26 DME heading 070° for vectors to final

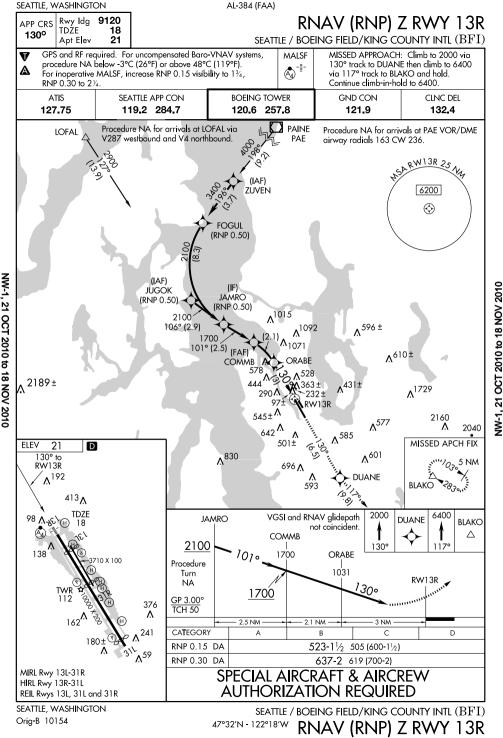
approach course.

LANDING SOUTH: Depart FOURT INT/OLM 26 DME heading 340° for vectors to final approach course.

<u>LOST COMMUNICATIONS:</u> From over FOURT INT/OLM 26 DME, proceed direct SEA VORTAC.

Olympia six arrival





SEATTLE-TACOMA INTL (SEA)

10266

NOTAM FILE SEA

SEATTLE

SEATTLE

SEATTLE

IAP, AD

H-1B, L-1D

WASHINGTON KENMORE AIR HARBOR SPB (W55) 1 N N47°37.74′ W122°20.32′ AOE

COMMUNICATIONS: CTAF 122.9 SEATTLE SEAPLANES SPB (ØWØ) 1 N UTC-8(-7DT) N47°37.66′ W122°19.91′

FUEL 100LL, JET A

(ADCUS) available.

WATERWAY 16-34: 5000X500 (WATER)

NOTAM FILE SEA WATERWAY 18-36: 9500X300 (WATER) SEAPLANE REMARKS: Attended 1600Z‡-dusk. Small watercraft activity on lake. COMMUNICATIONS: CTAF 122.9 (SEA) 10 S UTC-8(-7DT)

NOTAM FILE SEA

SEAPLANE REMARKS: Attended dawn-dusk. Fuel avbl emergency only. Night landings not recommended due to unlighted small watercraft. Red buoy indicates start and stop area for tkfs and ldgs. Increased boating ops on lake Apr 15 thru Oct 15. All tkf and ldg in center of lake. Special noise abatement rules in effect ctc operator for pattern information. Do not taxi closer than 200' from shoreline except in close proximity to Kenmore Air Harbor. Call 425-486-1257 X2010 for approval at least 3 hrs prior to arrival. Docking fee. Flight Notification Service

SEATTLE-TACOMA INTL N47°26.99' W122°18.71' FUEL 100LL, JET A, A1 LRA Class I, ARFF Index E RWY 16L-34R: H11901X150 (CONC-GRVD) S-100, D-230, 2D-600, 2D/2D2-1400 PCN 110 R/B/W/T HIRL

RWY 16L: ALSF2. TDZL. PAPI(P4L)-GA 3.0° TCH 79'. 0.6% down. RWY 34R: TDZL, MALSR, PAPI(P4L)—GA 2.75° TCH 82', 0.8% up. RWY 16C-34C: H9426X150 (CONC-GRVD) S-100, D-200, 2S-175, 2D-350, 2D/2D2-800 PCN 71 R/B/W/T HIRL CL RWY 16C: ALSF2, TDZL, PAPI(P4L)—GA 3.0° TCH 76', 0.6% down. RWY 34C: MALSR. PAPI(P4L)—GA 3.0° TCH 62'. Tree. RWY: 16R-34L H8500X150 (CONC-GRVD) S-100, D-216, 2D-448,

2D/2D2-1157, C5-817 PCN 89 R/B/W/T HIRL CL RWY 16R: ALSF2. TZL. PAPI(P4R)—GA 3.0° TCH 69'. 0.6% down. RWY 34L: MALSR. PAPI(P4L)—GA 3.0° TCH 75'. 0.8% up. RUNWAY DECLARED DISTANCE INFORMATION: RWY 16L: TORA-11901 TODA-11901 ASDA-11901 LDA-11901 RWY 16C: TORA-9426 TODA-9426 ASDA-9426 LDA-9426 RWY 16R: TORA-8500 TODA-8500 ASDA-8500 LDA-8500

RWY 34L: TORA-8500 TODA-8500 ASDA-8500 LDA-8500 RWY 34C: TORA-9426 TODA-9426 ASDA-9426 LDA-9426 RWY 34R: TORA-11901 TODA-11901 ASDA-11901 LDA-11901

AIRPORT REMARKS: Attended continuously. Bird flocks within airport

vicinity—check local advisories. Helicopters Idg and departing avoid overflying fuel farm located at the SE corner of the arpt. ASDE-X surveillance system in use: pilots should operate transponders with mode C on all twys and

rwys. Do not mistake Twy T for landing sfc. Twy A south of Twy G restricted to acft with wingspan 225' and smaller. Taxilane around N satellite restricted to acft with wingspans of 200' or less except for gates N7-N9. Access to air cargo 4 parking and cargo areas rstd to acft with wingspans of 118' or less. Twy for corporate hangar ramp ltd to acft with 104' or less wingspan for taxi ops. GA customs parking is very limited. PPR for all

reverse thrust is discouraged byd what is necessary for opr or safety reasons. NS ABTMT procedures in effect between 0600-1400Z‡. For further information ctc SEA NS ABTMT office at 206-787-7496. Touchdown, midpoint and rollout runway visual range avbl Rwy 16C, Rwy 34C, Rwy 16L, Rwy 34R, Rwy 16R, and Rwy 34L.

Landing fee. Flight Notification Service (ADCUS) available. NOTE: See Special Notices—Seattle-Tacoma Intl Gatehold Procedures, Oceanic Departures.

general aviation parking and svc, ctc 206-433-5481. Between the hours of 0600-1500Z‡, the use of extdd

WEATHER DATA SOURCES: ASOS (206) 431-2834.

COMMUNICATIONS: D-ATIS 118.0 (206) 241-6025 **UNICOM** 122.95

R SEATTLE APP CON 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) 125.6 (West) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) 133.65 (ARR Rwy 16) 123.9

(R) SEATTLE DEP CON 119.2 (DEP Rwy 16) 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) 125.6 (West) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) 123.9 SEATTLE TOWER 119.9 (Rwy 16L-34R, Rwy 16C-34C) 120.95 (Rwy 16R-34L) GND CON 121.7 126.87 (Cargo

north ramp) 122.27 (South ramp) CLNC DEL 128.0 AIRSPACE: CLASS B See VFR Terminal Area Chart.

CONTINUED ON NEXT PAGE

180

WASHINGTON

at fld. 354/19E.

DME also serves ILS Rwv 16C.

SFATTLE

CONTINUED FROM PRECEDING PAGE N47°26 12' W122°18 58'

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA

(H) VORTACW 116 8 SFA Chan 115

I-CJL ILS/DME 110.75 Chan 44(Y)

Rwv 16R. Class IIIE. ILS/DME 110.75 I-BEJ Chan 44(Y) Rwv 34L.

Class IIE.

ILS/DME 110.3 I-SFA Chan 40 Rwv 34R. Class IID. DME also serves ILS Rwv 16L. I-SZI Rwy 16C. DME also serves ILS Rwy 34C. LOC front ILS/DME 111.7 Chan 54 Class IIIE.

Rwv 34C.

course unusable bvd 10 NM, blo 2.500'.

IIS/DMF 110 3 I-SNO Chan 40 Rwv 16I Class IIIF Localizer unusable bvd 15° left of course, bvd 14 NM blo 3.000'. DME also serves ILS Rwy 34R. Possible Rwy 16L glideslope fluctuation on final when wx is

N48°15.97′ W124°18.84′

Class IIE.

RWY 26: VASI(V2L)—GA 4.0° TCH 35' (nights only). Tree.

800/2 or better. Possible Rwy 16L glideslope fluctuation prior to DGLAS when wx is less than 800/2. I-TUC

SEKIU (11S) UTC-8(-7DT) 0 NW

355 R NOTAM FILE SEA

IIS/DMF 111 7

movements. **COMMUNICATIONS: CTAF 122.9**

S6

RWY 09R: Trees. Rgt tfc.

RWY 09R-27L: H3510X40 (ASPH)

RWY 09L-27R: 3500X100 (TURF)

SEQUIM VALLEY

144

RWY 08-26: H2997X50 (ASPH) RWY 08: Thid dspled 900', Hill.

(W28)

FUEL 100LL

LIRI

Chan 54

AIRPORT REMARKS: Unattended, Deer on and in vicinity of arot Sep-Mar, High ridge along N side of rwy, Turbulence on E end apph over water, Difficult apph when wind from N. PPR for other than single engine acft, call arpt manager

360-457-1138. Rwy 08-26 poor subsurface drainage during wet weather conditions causes rwy surface

4 NW

UTC-8(-7DT) NOTAM FILE SEA

LIRI RWY 271 · Trees

RWY 27R: Trees.

RWY 09L: Fence. Rgt tfc. AIRPORT REMARKS: Attended 1700-0100Z±. Deer on and in the vicinity

of arpt, Rwy 09L fence covered with 5' shrubs, Rwy 09L-27R PPR for landing call 360-683-4444. Rwy 09R-27L has a 6" shoulder. Rwy 27L marked with broken line. Paved twys cross turf

Rwy 09L-27R. COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

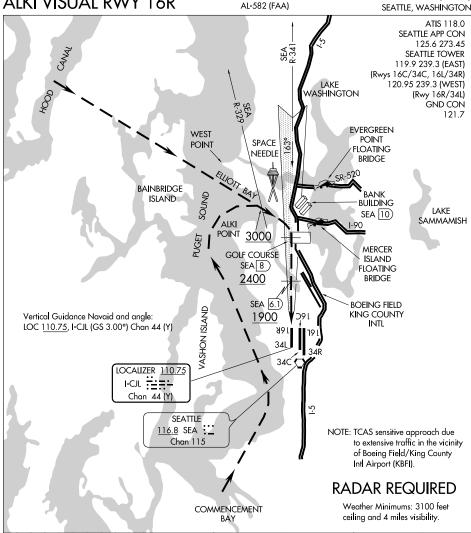
TATOOSH (H) VORTACW 112.2 TOU

Chan 59 N48°17.99' W124°37.62'

079° 59.1 NM to fld. 1652/22E. HIWAS.

N48°05.89' W123°11.23' SFATTLE L-1E

SHADY ACRES (See SPANAWAY)



ALKI VISUAL APPROACH RWY 16R

15

10 NM

When the ceiling is at least 3100' and visibility is at least 4 miles, aircraft may be vectored over Puget Sound for an ALKI Visual Runway 16R Approach. When cleared for an ALKI Visual Approach: proceed inbound visually over the middle of Elliott Bay (via route depicted); intercept the Runway 16R Localizer/SEA R-341 on Runway 16R extended centerline at the golf course (8 DME) and complete a straight in visual approach to the airport. On final approach, a descent profile of approximately 300' per mile may be made with reference to the altitudes shown at the visual checkpoints or associated DME/fix positions.

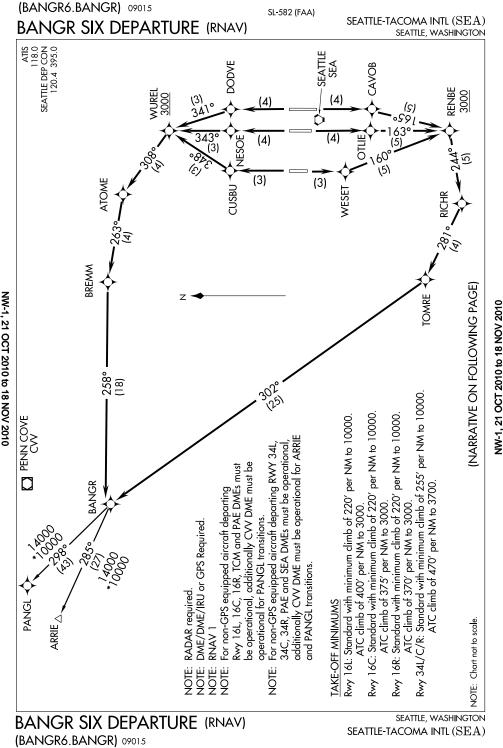
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V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 16L: Climb direct CAVOB, then via 165° track to cross RENBE at or above 3000, then via depicted route to BANGR, thence. . . .

TAKE-OFF RUNWAY 16C: Climb direct OTLIE, then via 163° track to cross RENBE at or above 3000, then via depicted route to BANGR, thence. . . .

TAKE-OFF RUNWAY 16R: Climb direct WESET, then via 160° track to cross RENBE at or above 3000, then via depicted route to BANGR, thence. . . .

TAKE-OFF RUNWAY 34L: Climb direct CUSBU, then via 348° track to cross WUREL at or above 3000, then via depicted route to BANGR, thence. . . . TAKE-OFF RUNWAY 34C: Climb direct NESOE, then via 343° track to cross WUREL

at or above 3000, then via depicted route to BANGR, thence. . . . TAKE-OFF RUNWAY 34R: Climb direct DODVE, then via 341° track to cross WUREL at or above 3000, then via depicted route to BANGR, thence. . . .

. . . . via (transition). Maintain assigned altitude, expect filed altitude/flight level 15 NM from SEA VORTAC.

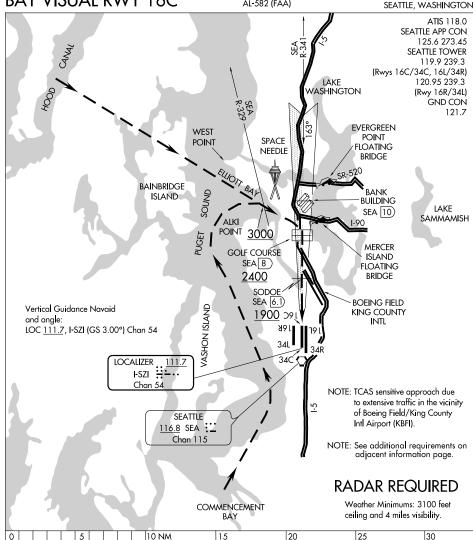
ARRIE TRANSITION (BANGR6.ARRIE)
PANGL TRANSITION (BANGR6.PANGL)

TAKE-OFF OBSTACLE NOTES

Rwy 16L: Trees beginning 2908' from DER, 1064' right of centerline, up to 100' AGL/476' MSL. Rwy 16C: Trees begining 4477' from DER, 484' right of centerline, up to 100' AGL/507' MSL.

Rwy 16R: Trees, antenna on building and light pole beginning 488' from DER, 436' left of centerline, up to 100' AGL/507' MSL. Trees beginning 1137' from DER, 587' right of centerline, up to 100' AGL/468' MSL.

Rwy 34L: Fence 189' from DER, 401' right of centerline, up to 12' AGL/420' MSL. Trees beginning 4010' from DER, 857' left of centerline, up to 100' AGL/522' MSL.



BAY VISUAL APPROACH RWY 16C

When the ceiling is at least 3100' and visibility is at least 4 miles, aircraft may be vectored over Puget Sound for a Bay Visual Runway 16C Approach. When cleared for a Bay Visual Approach: proceed inbound visually over the middle of Elliott Bay (via route depicted); intercept the Runway 16C Localizer/SEA R-341 on Runway 16C extended centerline at the golf course (8 DME) and complete a straight in visual approach to the airport. On final approach, a descent profile of approximately 300' per mile may be made with reference to the altitudes shown at the visual checkpoints or associated DME/fix positions.

AL-582 (FAA)

SEATTLE-TACOMA INTL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

When transitioning from an instrument procedure to a visual approach to Runway 16C. verify that you are aligned for the intended landing Runway, not Taxiway Tango. Taxiway Tango is west and parallel to Runway 16C.

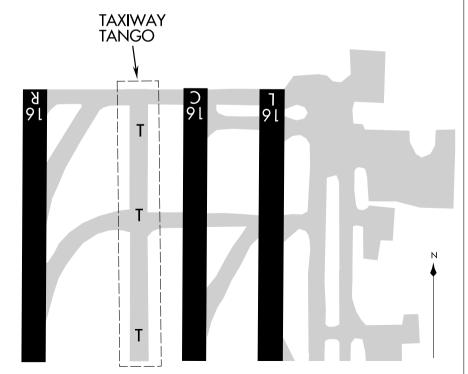
TRANSITION TO VISUAL:

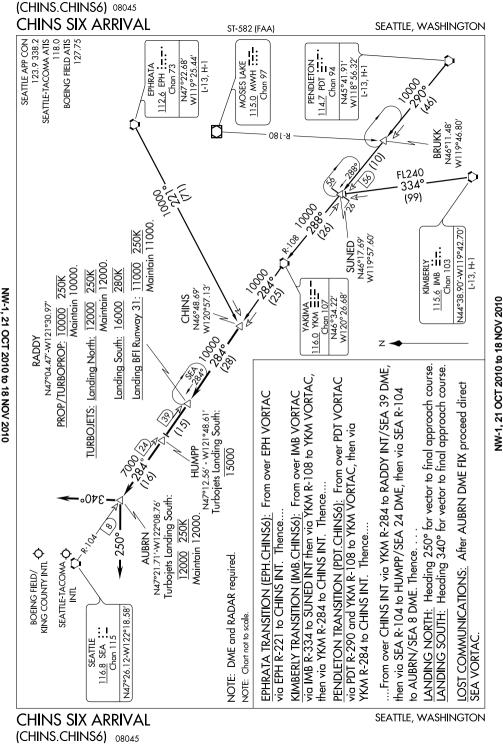
Taxiway Tango has been mistaken for Runway 16C from the air during certain visibility conditions, i.e., wet runway, low sun angle reflections. Aircrews are advised to be aware of the proximity of the taxiway to Runway 16C and its runway-like appearance while on approach.

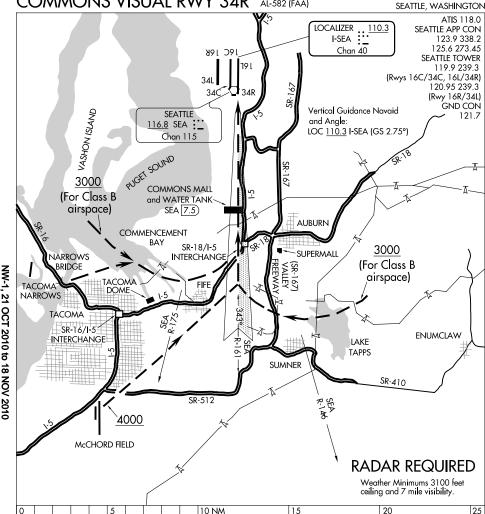
RECOMMENDTION:

NW-1, 21 OCT 2010 to 18 NOV 2010

Aircrews should use visual cues, e.g., approach lighting systems, REILs, when available, to confirm alignment with Runway 16C not Taxiway Tango. Additionally, it is recommended to track the localizer until the runway environment is visually verified.







COMMONS VISUAL APPROACH RWY 34R

When the ceiling is at least 3100' and visibility is at least 7 miles, aircraft may be vectored towards Commencement Bay or McChord Field or Lake Tapps for a Commons Visual Runway 34R Approach. When cleared for this approach; proceed inbound visually using the depicted landmarks to the centerline of runway 34R. Turn final before or over the interchange of State Road 18 (SR-18) and Interstate 5. Be established on the localizer or runway centerline at the Commons Mall and Water Tank (7.5 DME) and proceed visually to the runway.

SEATTLE-TACOMA INTL (SEA)

SEATTLE, WASHINGTON ATIS 118 0 SEATTLE APP CON 123.9 263.1 SEATTLE TOWER 119.9 239.3 (Rwys 16C/34C, 16L/34R) R-341 120.95 239.3 (Rwy 16R/34L) GND CON 121.7 LAKE /ASHINGTON HUSKY **STADIUM** PUGET SEA [13] 5000 EVERGREEN KIRKLAND POINT I-405/SR-520 BRIDG **SPACE** INTERCHANGE NEEDLE BANK LAKE BUILDING SAMMAMISH MERCER ISLAND FLOATING **FINKA** BRIDGE SEA 6.1 I-405/I-90 1900 INTERCHANGE **BOEING FIELD** KING COUNTY Vertical Guidance Navaid and anale: LOCALIZER 110.75 INTL LOC 110.75, I-CJL (GS 3.00°), Chan 44 (Y) 34C ŀCJL <u>:=</u>:=: Chan 44 (Y) LAKE NOTE: TCAS sensitive approach due to YOUNGS extensive traffic in vicinity of Boeing Field/King County Intl Airport. RADAR REQUIRED **SEATTLE** 116.8 SEA :-Weather Minimums: 5000 feet Chan 115 ceiling and 4 miles visibility.

DAWG VISUAL APPROACH RWY 16R

15

When the ceiling is at least 5000' and visibility is at least 4 miles, aircraft may be vectored over Kirkland or Lake Youngs for a Dawg Visual Runway 16R Approach. When cleared for a Dawg Visual Approach; proceed inbound visually over Husky Stadium (via route depicted); intercept the Runway 16R localizer/SEA R-341 at 13 DME and complete a straight in visual approach to the airport.

5

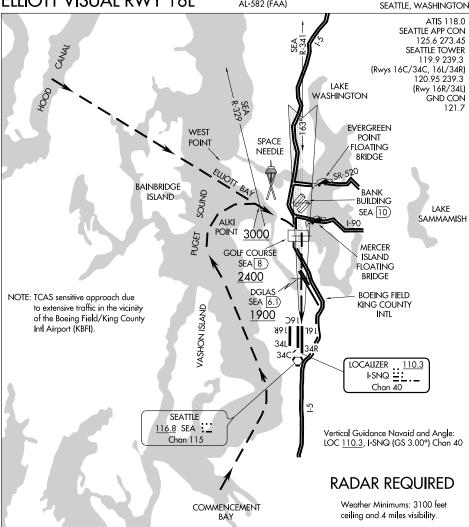
10 NM

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NW-1, 21 OCT 2010 to 18 NOV 2010

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15 ELLIOTT VISUAL APPROACH RWY 16L

10 NM

When the ceiling is at least 3100' and visibility is at least 4 miles, aircraft may be vectored over Puget Sound for an Elliott Visual Runway 16L Approach. When cleared for an Elliott Visual Approach: proceed inbound visually over the middle of Elliott Bay (via route depicted); intercept the 16L Localizer/SEA R-341 on Runway 16L extended centerline at the golf course (8 DME) and complete a straight in visual approach to the airport. On final approach, a descent profile of approximately 300' per mile may be made with reference to the altitude shown at the visual checkpoints or associated DME/fix positions.

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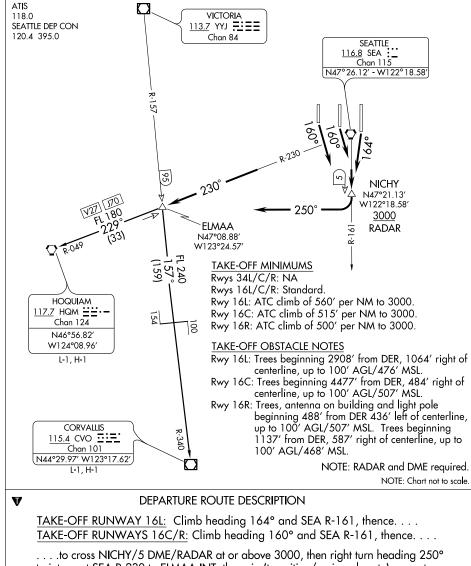
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NW-1, 21 OCT 2010 to 18 NOV 2010



to intercept SEA R-230 to ELMAA INT, then via (transition/assigned route), expect filed altitude/flight level 15 NM from SEA.

CORVALLIS TRANSITION (ELMAA8.CVO): From over ELMAA INT via YYJ R-157 and CVO R-340 to CVO VOR/DME.

HOQUIAM TRANSITION (ELMAA8.HQM): From over ELMAA INT via HQM R-049 to HQM VORTAC.

(EPH.EPH6) 10042 FPHRATA SIX ARRIVAL SEATTLE, WASHINGTON ST-582 (FAA) SEATTLE APP CON 123.9 338.2 SEATTLE-TACOMA ATIS 118.0 **BOEING FIELD ATIS** 127.75 PAINE 110.6 PAE := Chan 43 FLAAK N47°45.58′ SPOKANE W121°26.95' 115.5 GEG • -250KIAS Chan 102 -R-086 250° 12000 26.50 65 R-066 (85) 18000 R-082 2620 250° **HETHR** N47°33.54′ **EPHRATA** W122°08.70′ 112.6 EPH :... Chan 73 **ODESS** N47°22.68′-W119°25.44′ MOSES LAKE N47°08.21′ BOEING FIELD/ 115.0 MWH :... W117°58.45′ KING COUNTY INTL _ Chan 97 H-1 ♦ SEATTLE-TACOMA INTL SEATTLE 116.8 SEA :: Chan 115 N47°26.12′-W122°18.58′ NOTE: DME and RADAR required.

ODESS TRANSITION (ODESS.EPH6): From over ODESS INT via EPH R-082 to EPH VORTAC. Thence....

....From over EPH VORTAC via EPH R-265 and PAE R-086 to FLAAK INT. Then via heading 250° to intercept the SEA R-023, then via SEA R-023 to HETHR DME Fix, thence....

LANDING NORTH: Heading 160° for vectors to final approach course; LANDING SOUTH: Heading 250° for vectors to final approach course.

LOST COMMUNICATIONS: From over HETHR DME proceed direct SEA VORTAC.

EPHRATA SIX ARRIVAL

SEATTLE, WASHINGTON

NW-1, 21 OCT 2010 to 18 NOV 2010

(EPH.EPH6) 10042

BOEING FEED/

ARRIVAL

(HAROB3.HAROB) 09015 SL-582 (FAA) SEATTLE-TACOMA INTL (SEA) HAROB THREE DEPARTURE (RNAV) SEATTLE, WASHINGTON ATIS 118.0 **ATOME** SEATTLE DEP CON **BREMM** 120.4 395.0 (4)WUREL 3000 NOTE: RADAR required. NOTE: DME/DME/IRU or GPS required. NOTE: RNAV 1 DODVE **CUSBU** $\overline{\omega}$ 4 $\overline{\omega}$ SEATTLE **SEA** 4 WESET CAVOB **EMRLD** RICHR **HAROB** 10000 255° 232° RENBE (5)*3600 (14)3000 (12)HOQUIAM 232 HQM NOTE: For non-GPS equipped aircraft departing Rwys 16L 16C, 16R, HQM and TCM DMEs must be **FEPOT** operational, additionally OLM DME must be operational for HQM transitions and ONP DME must be operational for HISKU transitions. NOTE: For non-GPS equipped aircraft departing Rwys 34L 34C, 34R, PAE and SEA DMEs must be operational, additionally OLM and HQM DMEs must be **ERAVE** operational for HQM transitions and ONP DME must be 15000 *5400 -159° (155) operational for HISKU transitions. TAKE-OFF MINIMUMS Rwy 16L: ATC climb of 400' per NM to 9900. Rwy 16C/R: ATC climb of 400' per NM to 9700. Rwy 34L/C/R: ATC climb of 470' per NM to 5600. ➤ HISKU (NARRATIVE ON FOLLOWING PAGE) NOTE: Chart not to scale. SEATTLE, WASHINGTON HAROB THREE DEPARTURE (RNAV) SEATTLE-TACOMA INTL (SEA) (HAROB3.HAROB) 09015

NW-1, 21 OCT 2010 to 18 NOV 2010

HAROB THREE DEPARTURE (RNAV)

V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 16L: Climb direct CAVOB, then via 165° track to cross RENBE at or above 3000, then via depicted route to HAROB, thence. . . .

TAKE-OFF RUNWAY 16C: Climb direct OTLIE, then via 163° track to cross RENBE

at or above 3000, then via depicted route to HAROB, thence. . . . TAKE-OFF RUNWAY 16R: Climb direct WESET, then via 160° track to cross RENBE

at or above 3000, then via depicted route to HAROB, thence. . . .

TAKE-OFF RUNWAY 34L: Climb direct CUSBU, then via 348° track to cross WUREL at or above 3000, then via depicted route to HAROB, thence. . . .

TAKE-OFF RUNWAY 34C: Climb direct NESOE, then via 343° track to cross WUREL at or above 3000, then via depicted route to HAROB, thence. . . .

TAKE-OFF RUNWAY 34R: Climb direct DODVE, then via 341° track to cross WUREL at or above 3000, then via depicted route to HAROB, thence. . . .

. . . via (transition). Maintain assigned altitude, expect filed altitude/flight level 15 NM from SEA VORTAC.

ERAVE TRANSITION (HAROB3.ERAVE)

FEPOT TRANSITION (HAROB3.FEPOT)

HISKU TRANSITION (HAROB3.HISKU) HOQUIAM TRANSITION (HAROB3.HQM)

TAKE-OFF OBSTACLE NOTES

Rwy 16L: Trees beginning 2908' from DER, 1064' right of centerline, up to 100' AGL/476' MSL. Rwy 16C: Trees beginning 4477' from DER, 484' right of centerline, up to 100' AGL/507' MSL.

Rwy 16R: Trees, antenna on building and light pole beginning 488' from DER, 436' left of centerline, up to 100' AGL/507' MSL. Trees beginning 1137' from DER, 587' right of centerline, up to 100' AGL/468' MSL.

Rwy 34L: Fence 189' from DER, 401' right of centerline, up to 12' AGL/420' MSL. Trees beginning 4010' from DER, 857' left of centerline, up to 100' AGL/522' MSL.

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

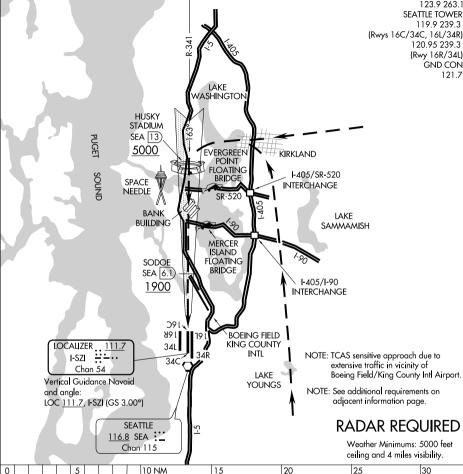
A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

increased risk has been reduced or el		t spots will remain charted on airport diagrams until such time
CITY/AIRPORT	HOT SPOT	DESCRIPTION*
BILLINGS, MT		
BILLINGS LOGAN		
INTL (BIL)	HS 1	Rwy 28R hold line at an unusual location at east edge of run up area.
	HS 2	Twy H crosses Rwy 07 protected area.
BOISE, ID		
BOISE AIR TERMINAL/GOWEN		
FLD (BOI)	HS 1	Multiple hold lines visible, left turn at Twy A for departure on Rwy 10L.
CHEYENNE,WY		
CHEYENNE RGNL/JERRY		
OLSON FIELD (CYS)	HS 1	Confusing twy configuration.
EUGENE, OR		
MAHLON SWEET FIELD (EUG)	HS 1	No access to Rwy 34L past Twy A9.
EVERETT, WA		
SNOHOMISH COUNTY		
(PAINE FIELD) (PAE)	HS 1	Hold line for Rwy 11-29 on Twy A4 and Twy A5 int are more than 500' wide.
	HS 2	Rwy 29 thr in close proximity to ramp areas.
	HS 3	Twy A between Twy A8 and Twy A9 not visible from ATCT.
GREAT FALLS, MT		
GREAT FALLS INTL (GTF)	HS 1	No Rwy 21 access beyond A1.
	HS 2	A3 aligned with Rwy 25, wrong rwy departure risk.
IDAHO FALLS, ID		
IDAHO FALLS RGNL (IDA)	HS 1	Rwy 17-35 Twy C hold bars.
	HS 2	Twy A1 and Rwy 20 apch hold bar.
	HS 3	Rwy 17 and Twy A hold bar.
LEWISTON, ID		
LEWISTON-NEZ PERCE		
COUNTY (LWS)	HS 1	Twy C and Twy G int close proximity to Rwy 12-30.
	HS 2	Twy G between Rwy 08-26 and Rwy 30 thr. Short distance between rwys.
PORTLAND, OR		, ,
PORTLAND INTL (PDX)	HS 1	Limited wing-tip clearance at twy convergence point.
SALEM, OR		
MCNARY FLD (SLE)	HS 1	When the ATCT is closed aircraft should not hold at this position if traffic is arriving or departing Rwy 13-31.

21 OCT 2010 to 18 NOV 2010

10266			
HOT SPOTS			
(CONTINUED)			
CITY/AIRPORT	HOT SPOT	DESCRIPTION*	
CITY/AIRPORT SEATTLE, WA BOEING FIELD/ KING COUNTY INTL (BFI) SEATTLE, WA SEATTLE-TACOMA INTL (SEA)	HS 1 HS 2 HS 1	Twy Z restricted access area. Rwy 13R-31L and Twy A9. Wrong rwy departure risk. Aircraft exiting Rwy 34R via Twy H then Twy J; limited distance between rwys.	
*See appropriate A/FD, Ala:	ska or Pacif	ic Supplement HOT SPOT table for additional information.	

SEATTLE-TACOMA INTL (SEA) SEATTLE, WASHINGTON ATIS 118.0 SEATTLE APP CON 123.9 263.1 SEATTLE TOWER 119.9 239.3 (Rwys 16C/34C, 16L/34R) 120.95 239.3 (Rwy 16R/34L) GND CON 121.7 LAKE SAMMAMISH



HUSKY VISUAL APPROACH RWY 16C

10 NM

When the ceiling is at least 5000' and visibility is at least 4 miles, aircraft may be vectored over Kirkland or Lake Youngs for a Husky Visual Runway 16C Approach. When cleared for a Husky Visual Approach; proceed inbound visually over Husky Stadium (via route depicted); intercept the Runway 16C localizer/SEA R-341 at 13 DME and complete a straight in visual approach to the airport.

SEATTLE-TACOMA INTL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

When transitioning from an instrument procedure to a visual approach to Runway 16C. verify that you are aligned for the intended landing Runway, not Taxiway Tango. Taxiway Tango is west and parallel to Runway 16C.

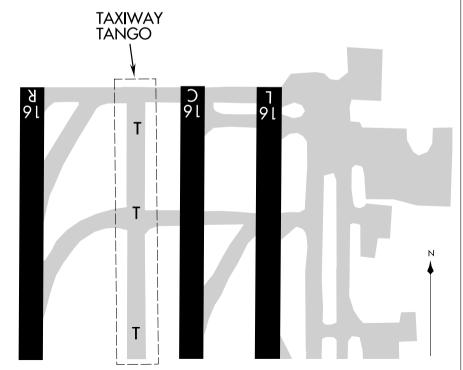
TRANSITION TO VISUAL:

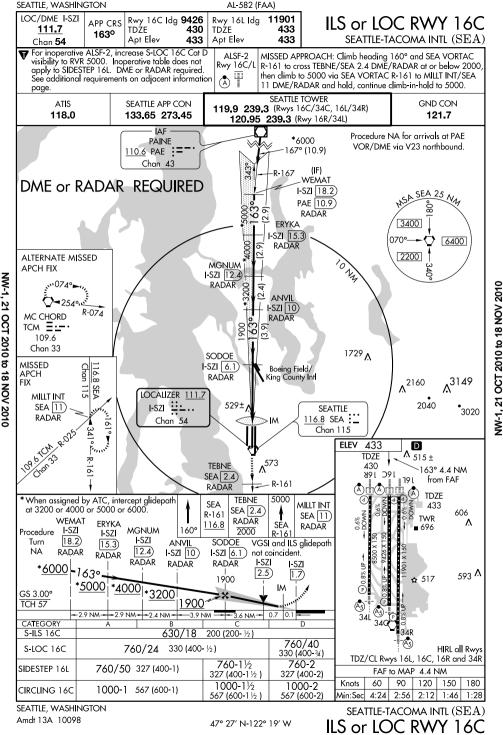
Taxiway Tango has been mistaken for Runway 16C from the air during certain visibility conditions, i.e., wet runway, low sun angle reflections. Aircrews are advised to be aware of the proximity of the taxiway to Runway 16C and its runway-like appearance while on approach.

RECOMMENDTION:

NW-1, 21 OCT 2010 to 18 NOV 2010

Aircrews should use visual cues, e.g., approach lighting systems, REILs, when available, to confirm alignment with Runway 16C not Taxiway Tango. Additionally, it is recommended to track the localizer until the runway environment is visually verified.





AL-582 (FAA)

ALERT NOTICE

SEATTLE-TACOMA INTL AIRPORT

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

When transitioning from an instrument procedure to a visual approach to Runway 16C, verify you are aligned for the intended landing Runway, not Taxiway Tango. Taxiway Tango is west and parallel to Runway 16C.

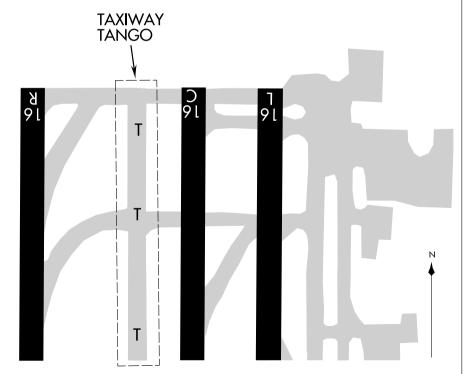
TRANSITION TO VISUAL:

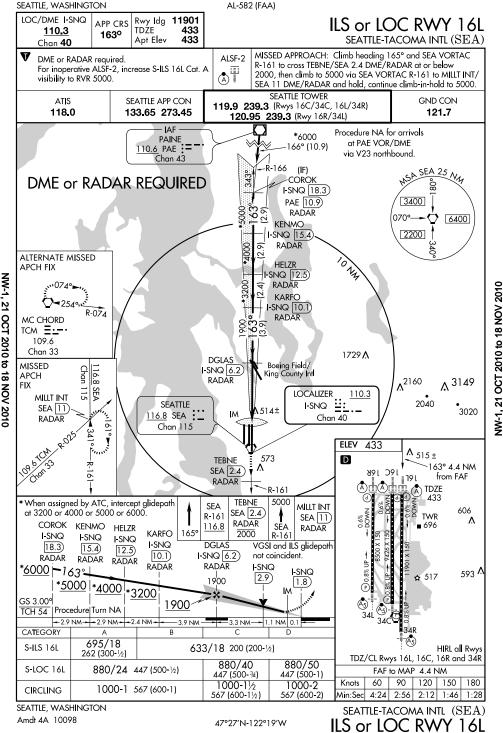
Taxiway Tango has been mistaken for Runway 16C from the air during certain visibility conditions, i.e., wet runway, low sun angle reflections. Aircrews are advised to be aware of the proximity of the taxiway to Runway 16C and its runway-like appearance while on approach.

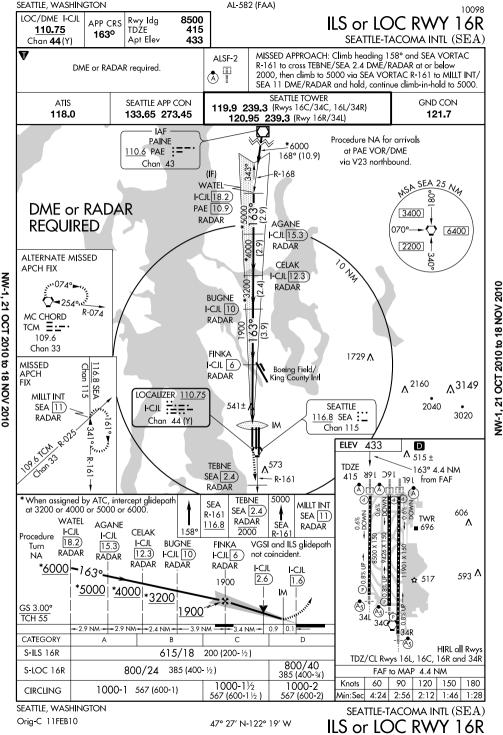
RECOMMENDION:

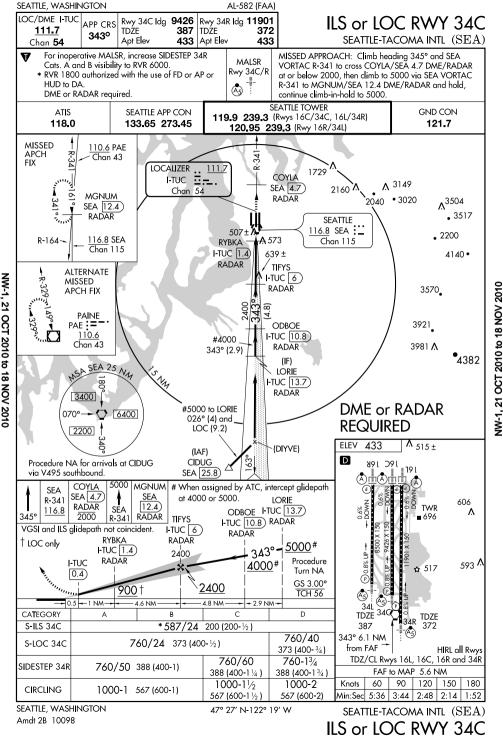
NW-1, 21 OCT 2010 to 18 NOV 2010

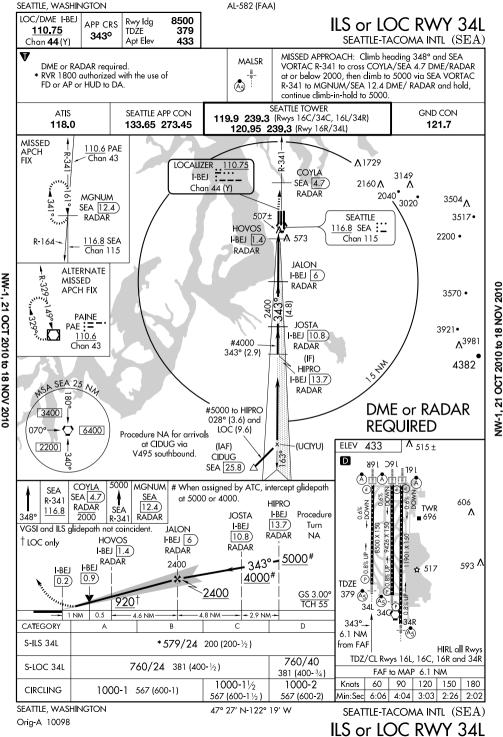
Aircrews should use visual cues, e.g., approach lighting systems, REILs, when available, to confirm alignment with Runway 16C not Taxiway Tango. Additionally, it is recommended when executing a segment of the ILS approach for a visual transition, track the localizer until the runway environment is visually verified.

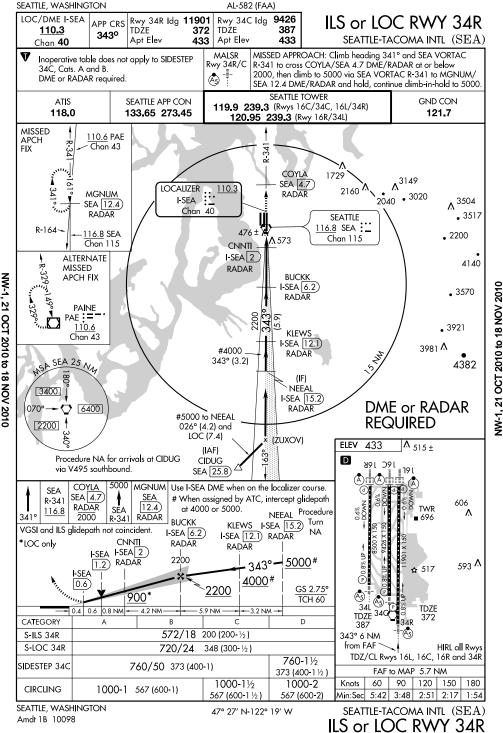


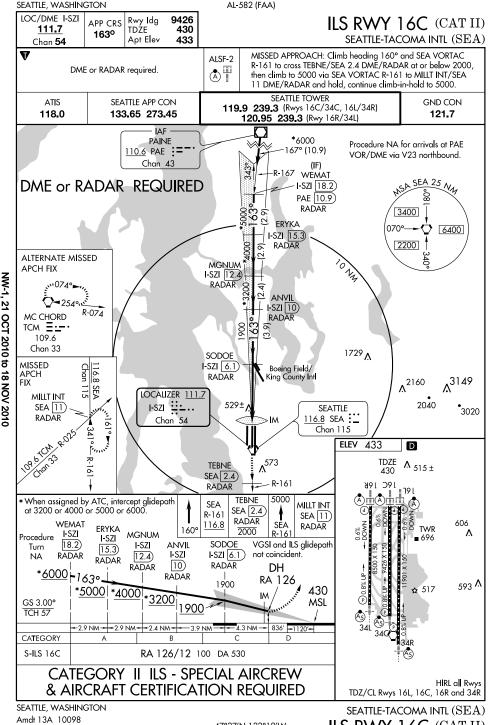




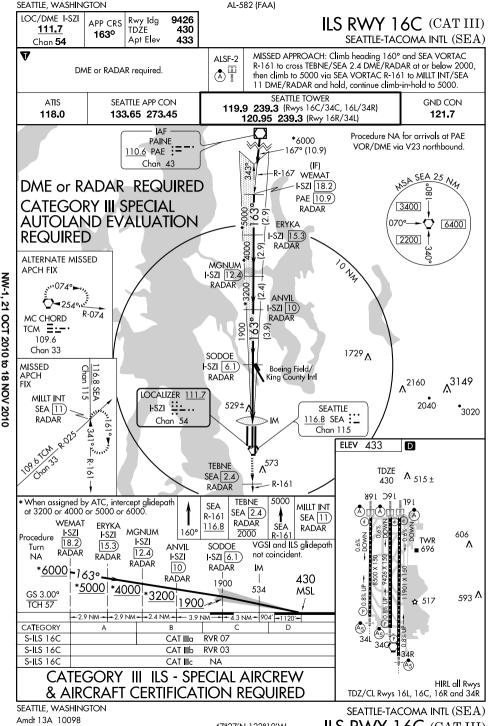




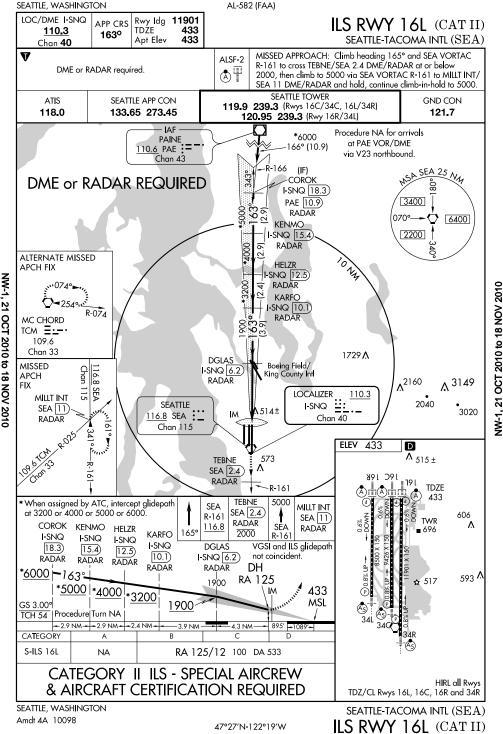


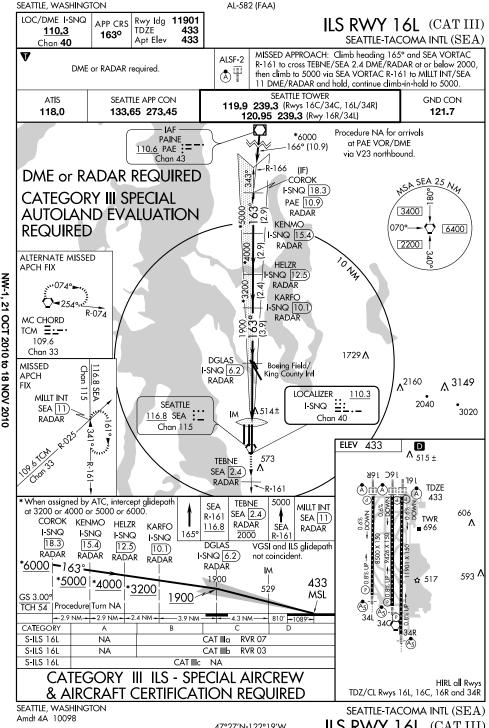


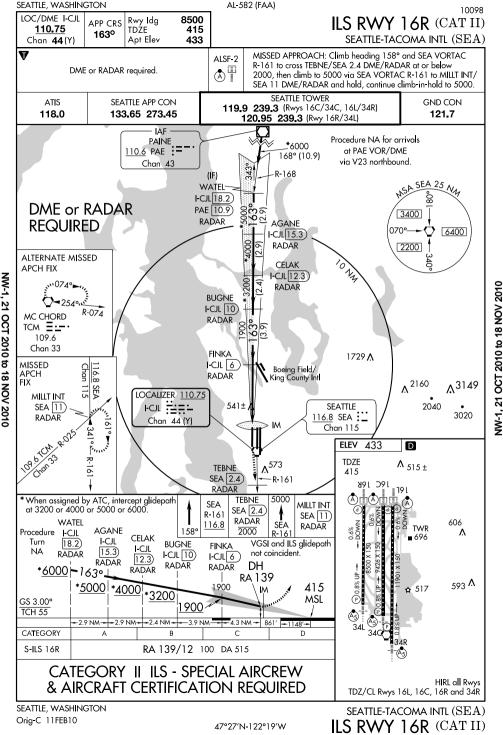
ILS RWY 16C (CAT II)

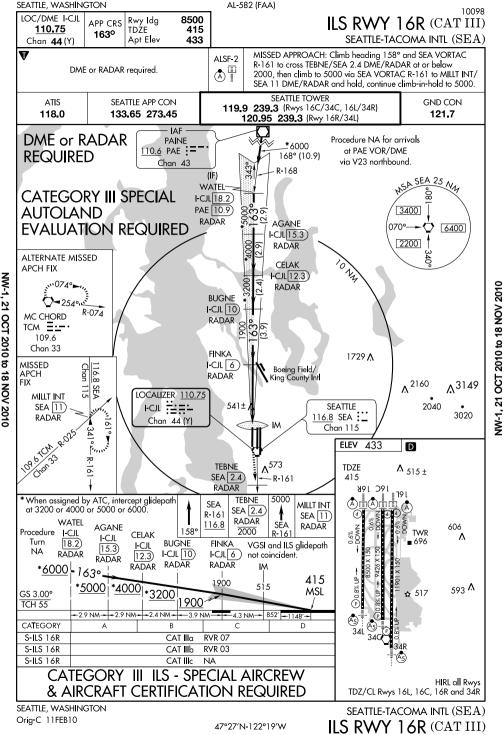


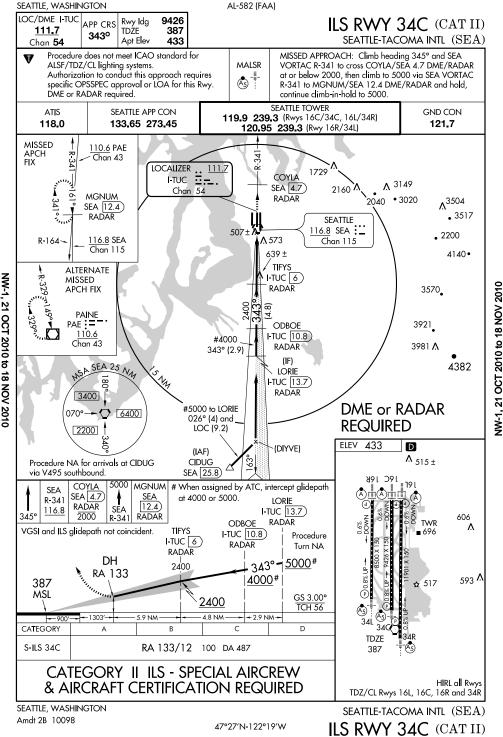
ILS RWY 16C (CAT III)

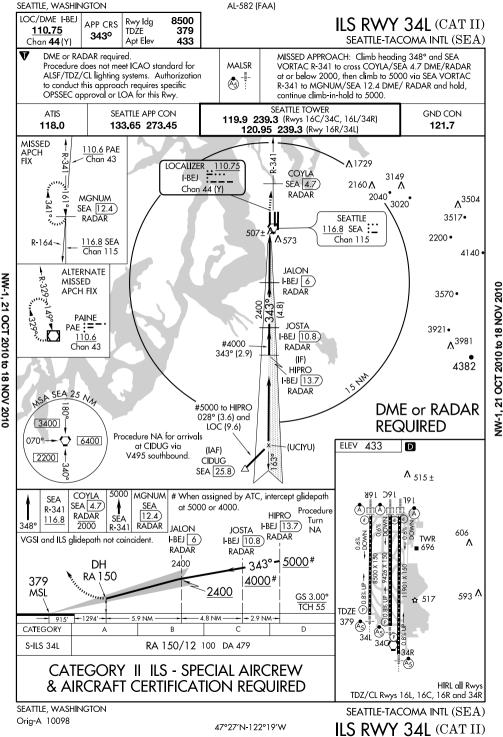


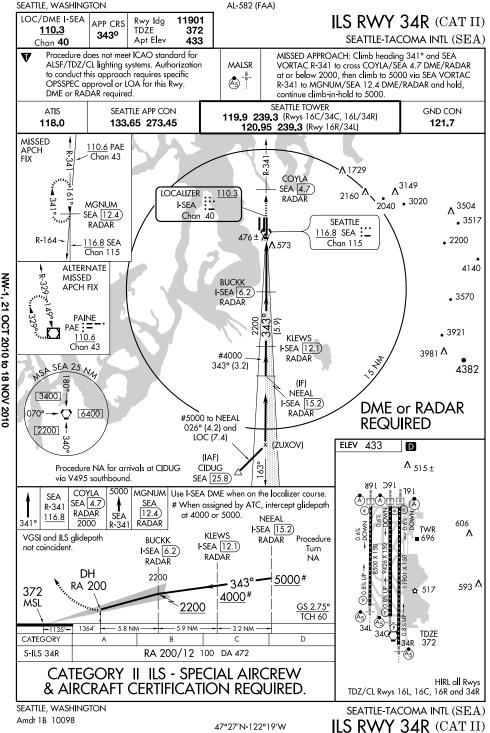




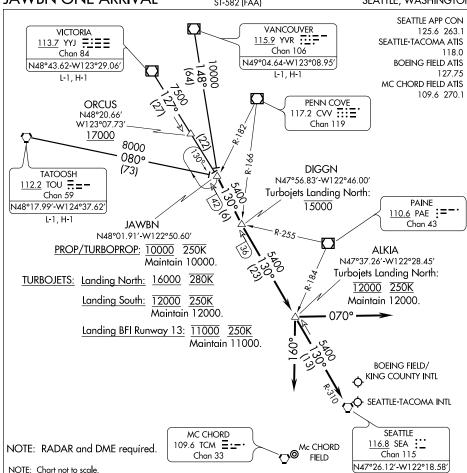








NW-1, 21 OCT 2010 to 18 NOV 2010



TATOOSH TRANSITION (TOU.JAWBN1): From over TOU VORTAC via TOU R-080 to JAWBN INT. Thence....

VANCOUVER TRANSITION (YVR.JAWBN1): From over YVR VORTAC via YVR R-148 to JAWBN INT. Thence....

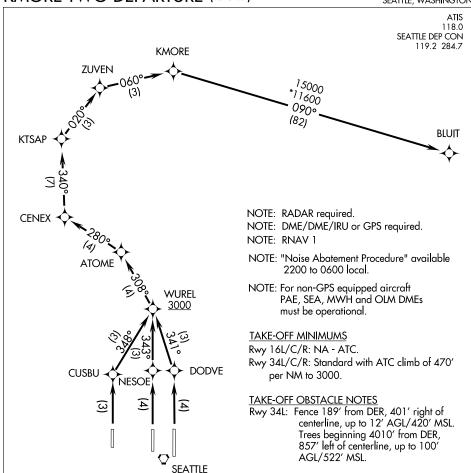
VICTORIA TRANSITION (YYJ.JAWBN1): From over YYJ VOR/DME via YYJ R-127 to JAWBN INT. Thence....

....From over JAWBN INT/SEA 42 DME via SEA R-310 to DIGGN/SEA 36 DME then via SEA R-310 to ALKIA INT/SEA 13 DME, thence....

LANDING NORTH: Depart ALKIA INT heading 160° for vectors to final approach course. LANDING SOUTH: Depart ALKIA INT heading 070° for vectors to final approach course.

LANDING McCHORD FIELD: After ALKIA INT proceed direct SEA VORTAC.

LOST COMMUNICATIONS: After ALKIA INT proceed direct SEA VORTAC.



NOTE: Chart not to scale. V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 34L: Climb direct CUSBU, then via 348° track to cross WUREL at or above 3000, then via depicted route to BLUIT, thence. . . . TAKE-OFF RUNWAY 34C: Climb direct NESOE, then via 343° track to cross WUREL

at or above 3000, then via depicted route to BLUIT, thence. . . . TAKE-OFF RUNWAY 34R: Climb direct DODVE, then via 341° track to cross WUREL

at or above 3000, then via depicted route to BLUIT, thence. . . .

SEA

. . . .via assigned route. Maintain assigned altitude, expect filed altitude/flight level 15 NM from SEA VORTAC.

(KTSAP3.KTSAP) 09015

SL-582 (FAA)

SEATTLE-TACOMA INTL (SEA)SEATTLE, WASHINGTON

280°

CUSBU

ω

ATOME

 $\widehat{4}$

SEATTLE

SEA

WUREL

3000

CENEX

KTSAP THREE DEPARTURE (RNAV)

ATIS 118.0 **TATOOSH** SEATTLE DEP CON 119.2 284.7 TOU 15000 *9400 2>4° 193j **KTSAP**

NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS required. NOTE: RNAV 1

NOTE: "Noise Abatement Procedure" available 2200 to 0600 local.

NOTE: For non-GPS equipped aircraft PAE DME must be operational.

TAKE-OFF MINIMUMS Rwy 16L/C/R: NA - ATC. Rwy 34L/C/R: Standard with ATC climb of

470' per NM to 3000. TAKE-OFF OBSTACLE NOTES

up to 12' AGL/420' MSL. Trees beginning 4010' from DER, 857' left of centerline, up to 100' AGL/522' MSL.

Rwy 34L: Fence 189' from DER, 401' right of centerline,

NOTE: Chart not to scale. V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 34L: Climb direct CUSBU, then via 348° track to cross WUREL at or above 3000, then via depicted route to TOU VORTAC, thence. . . . TAKE-OFF RUNWAY 34C: Climb direct NESOE, then via 343° track to cross WUREL

at or above 3000, then via depicted route to TOU VORTAC, thence. . . . TAKE-OFF RUNWAY 34R: Climb direct DODVE, then via 341° track to cross WUREL at or above 3000, then via depicted route to TOU VORTAC, thence. . . .

....via assigned route. Maintain assigned altitude, expect filed altitude/flight level 15 NM from SEA VORTAC.

KTSAP THREE DEPARTURE (RNAV)

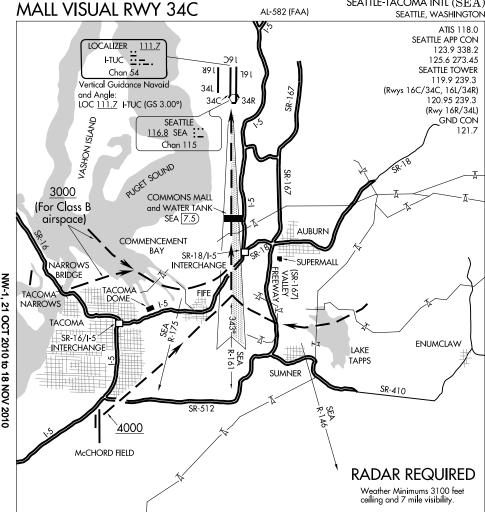
SEATTLE, WASHINGTON SEATTLE-TACOMA INTL (SEA)

NW-1, 21 OCT 2010 to 18 NOV 2010

DODVE

(KTSAP3.KTSAP) 09015

25



MALL VISUAL APPROACH RWY 34C

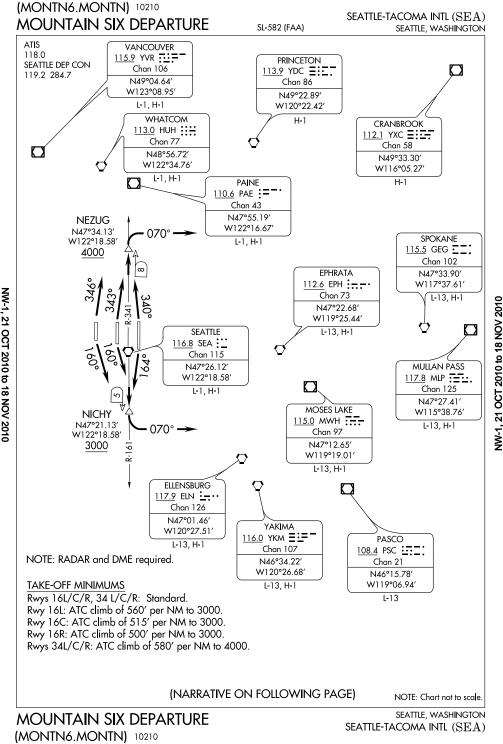
15

10 NM

When the ceiling is at least 3100' and visibility is at least 7 miles, aircraft may be vectored towards Commencement Bay or McChord Field or Lake Tapps for a Mall Visual Runway 34C Approach. When cleared for this approach; proceed inbound visually using the depicted landmarks to the centerline of runway 34C as assigned. Turn final before or over the interchange of State Road 18 (SR-18) and Interstate 5. Be established on the localizer or runway centerline at the Commons Mall and Water Tank (7.5 DME) and proceed visually to runway 34C.

5

20



V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 16L: Climb heading 164° and SEA R-161 to cross NICHY at or above 3000, then left turn heading 070° for radar vectors to assigned route, thence. . . .

TAKE-OFF RUNWAYS 16C/R: Climb heading 160° and SEA R-161 to cross NICHY at or above 3000, then left turn heading 070° for radar vectors to assigned route, thence. . . .

TAKE-OFF RUNWAY 34L: Climb heading 346° and SEA R-341 to cross NEZUG at or above 4000, then right turn heading 070° for radar vectors to assigned route, thence. . . .

TAKE-OFF RUNWAY 34C: Climb heading 343° and SEA R-341 to cross NEZUG at or above 4000, then right turn heading 070° for radar vectors to assigned route, thence. . . . TAKE-OFF RUNWAY 34R: Climb heading 340° and SEA R-341 to cross NEZUG at or above 4000, then right turn heading 070° for radar vectors to assigned route, thence. . . .

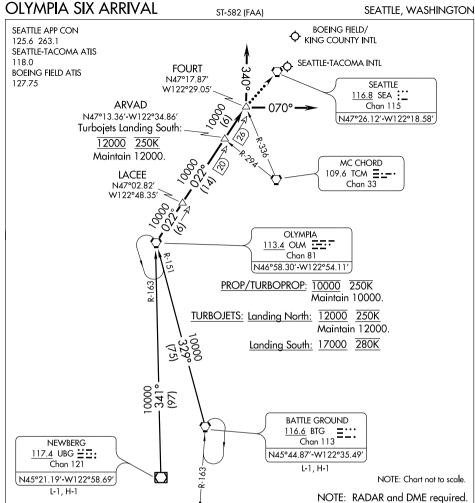
.Maintain assigned altitude, expect filed altitude/flight level 15 NM from SEA.

LOST COMMUNICATIONS: If no contact with ATC leaving 4000', proceed direct SEA VORTAC, then proceed on course.

TAKE-OFF OBSTACLE NOTES

Rwy 16L: Trees beginning 2908' from DER, 1064' right of centerline, up to 100' AGL/476' MSL. Rwy 16C: Trees beginning 4477' from DER, 484' right of centerline, up to 100' AGL/507' MSL. Rwy 16R: Trees, antenna on building and light pole beginning 488' from DER, 436' left of centerline, up to 100' AGL/507' MSL. Trees beginning 1137' from DER, 587' right of centerline, up to 100' AGL/468' MSL.

Rwy 34L: Fence 189' from DER, 401' right of centerline, up to 12' AGL/468' MSL. Trees beginning 4010' from DER, 857' left of centerline, up to 100' AGL/522' MSL.



BATTLE GROUND TRANSITION (BTG.OLM6): From over BTG VORTAC via BTG R-329 and OLM R-151 to OLM VORTAC. Thence....

 $\frac{\text{NEWBERG TRANSITION (UBG.OLM6):}}{\text{OLM R-}163 \text{ to OLM VORTAC.}} \text{ From over UBG VOR/DME via UBG R-}341 \text{ and}$

....From over OLM VORTAC via OLM R-022 to LACEE/OLM 6 DME, then via OLM R-022 to ARVAD INT/OLM 20 DME, then via OLM R-022 to FOLIRT INT/OLM 26 DME, thence

to ARVAD INT/OLM 20 DME, then via OLM R-022 to FOURT INT/OLM 26 DME, thence... LANDING NORTH: Depart FOURT INT/OLM 26 DME heading 070° for vectors to final

approach course.

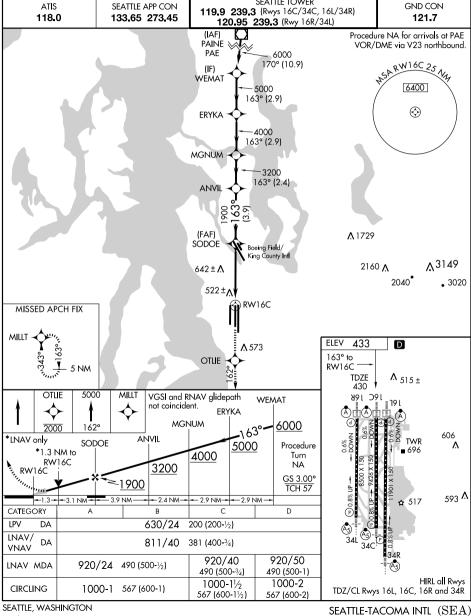
LANDING SOUTH: Depart FOURT INT/OLM 26 DME heading 340° for vectors to final approach course.

<u>LOST COMMUNICATIONS:</u> From over FOURT INT/OLM 26 DME, proceed direct SEA VORTAC.

Olympia six arrival

SEATTLE, WASHINGTON AL-582 (FAA) 9426 WAAS Rwy Idg RNAV (GPS) RWY 16C APP CRS TDŹE 430 CH 61010 163° SEATTLE-TACOMA INTL (SEA)Apt Elev 433 W16B For uncompensated Baro-VNAV systems, LNAV/VNAV ALSF-2 MISSED APPROACH: Climb direct OTLIE to cross OTLIE NA below -15°C (5°F) or above 47°C (116°F). **A** at or below 2000, then climb to 5000 via track 162° to DME/DME RNP-0.3 NA. MILLT and hold, continue climb-in-hold to 5000. See additional requirements on adjacent information page. SEATTLE TOWER ATIS SEATTLE APP CON GND CON 119.9 239.3 (Rwys 16C/34C, 16L/34R) 118.0 133.65 273.45 121.7 120,95 239,3 (Rwy 16R/34L) Procedure NA for arrivals at PAE PAINE V VOR/DME via V23 northbound PAE 6000 5ARW16C 25 1/4 170° (10.9) (IF) WĖMAT 6400 5000 163° (2.9) **(ERYKA** 4000 1.63° (2.9) MGNUM -3200 NW-1, 21 OCT 2010 to 18 NOV 2010 163° (2.4) ANVI 163 (FAF) Λ 1729 SODOE Boeing Field/ King County Intl

WW-1, 21 OCT 2010 to 18 NOV 2010



RNAV (GPS) RW

RNAV (GPS) RWY 16C

SEATTLE-TACOMA INTL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

When transitioning from an instrument procedure to a visual approach to Runway 16C, verify you are aligned for the intended landing Runway, not Taxiway Tango. Taxiway Tango is west and parallel to Runway 16C.

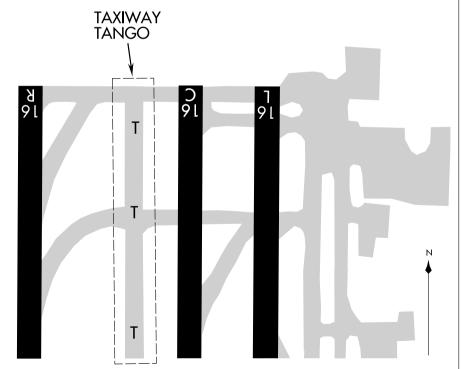
TRANSITION TO VISUAL:

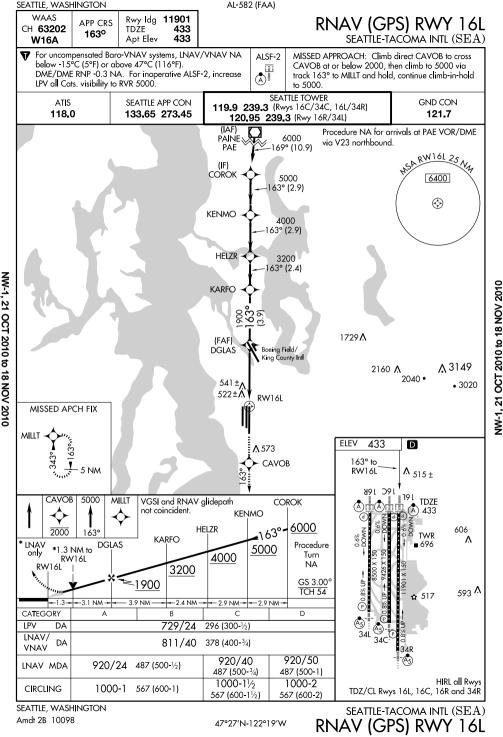
Taxiway Tango has been mistaken for Runway 16C from the air during certain visibility conditions, i.e., wet runway, low sun angle reflections. Aircrews are advised to be aware of the proximity of the taxiway to Runway 16C and its runway-like appearance while on approach.

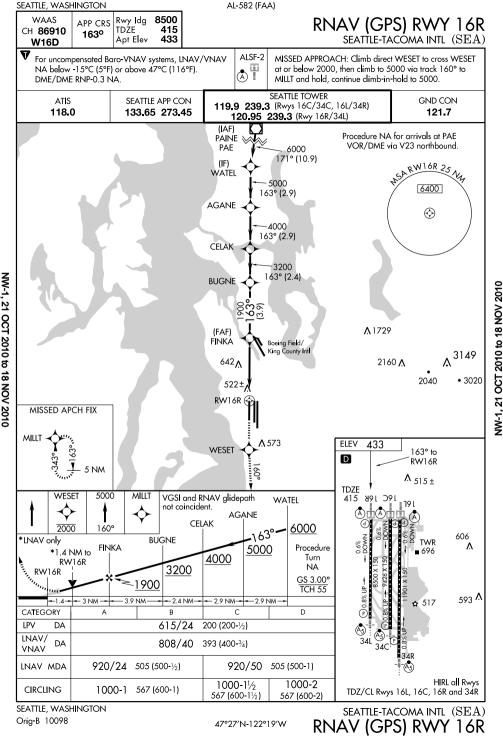
RECOMMENDION:

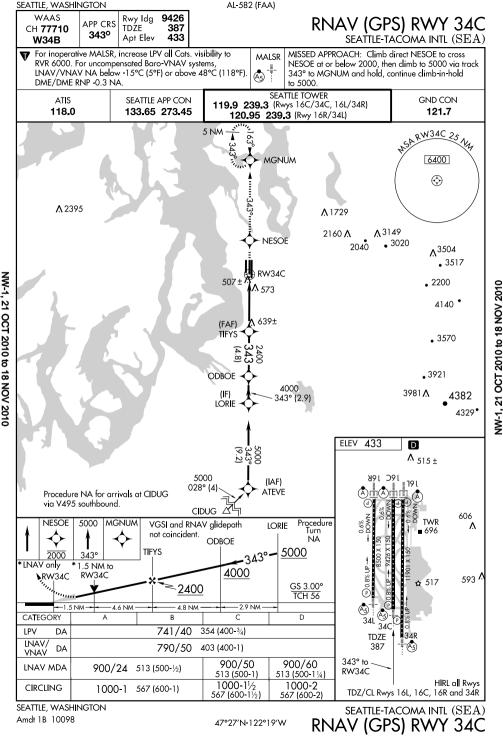
NW-1, 21 OCT 2010 to 18 NOV 2010

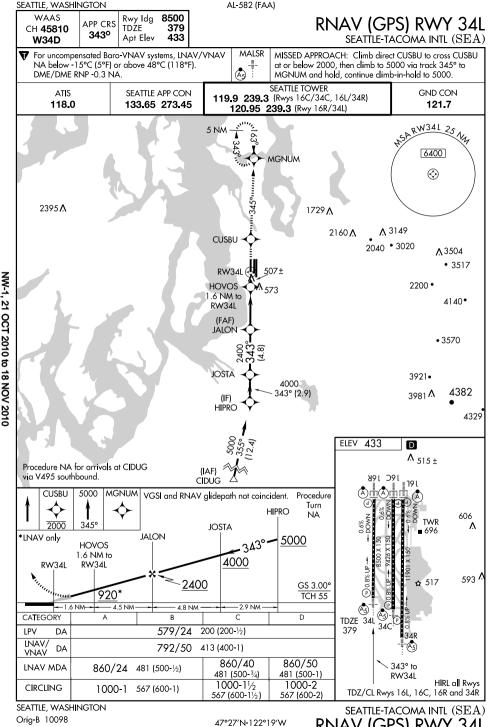
Aircrews should use visual cues, e.g., approach lighting systems, REILs, when available, to confirm alignment with Runway 16C not Taxiway Tango. Additionally, it is recommended when executing a segment of the ILS approach for a visual transition, track the localizer until the runway environment is visually verified.

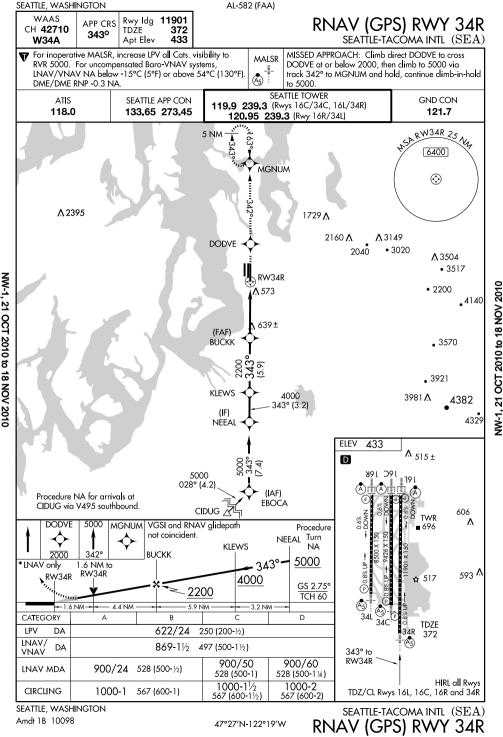












1 9K

J9L

19 L

34R

LOCALIZER

VASHON ISLAND

I-BEJ

Chan 44 (Y)

110.75

SEATTLE APP CON

123.9 338.2

125.6 273.45

119.9 239.3

(Rwy 16R/34L)

GND CON 121.7

NW-1, 21 OCT 2010 to 18 NOV 2010

25

SEATTLE TOWER

(Rwys 16C/34C, 16L/34R) 120.95 239.3

ENUMCLAW

RADAR REQUIRED

Weather Minimums 3100 feet

ceiling and 7 mile visibility.

20

SEATTLE

Chan 115

COMMONS MALL and WATER TANK

116.8 SEA

SR-167

SR-167

SALTY VISUAL APPROACH RWY 34L

10 NM

Vertical Guidance Navaid and Angle:

LOC 110.75, I-BEJ (GS 3.00°), Chan 44 (Y)

15

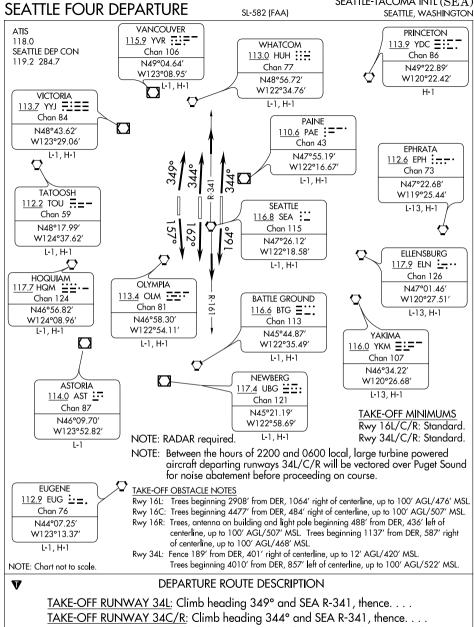
When the ceiling is at least 3100' and visibility is at least 7 miles, aircraft may be vectored towards Commencement Bay or McChord AFB or Lake Tapps for a Salty Visual Runway 34L Approach. When cleared for this approach; proceed inbound visually using the depicted landmarks to the centerline of runway 34L. Turn final before or over the interchange of State Road 18 (SR-18) and Interstate 5. Be established on the localizer or runway centerline at the Commons Mall and Water Tank (7.5 DME) and proceed visually to runway 34L.

SALTY VISUAL RWY 34L

5

47°27′N-122°19′W

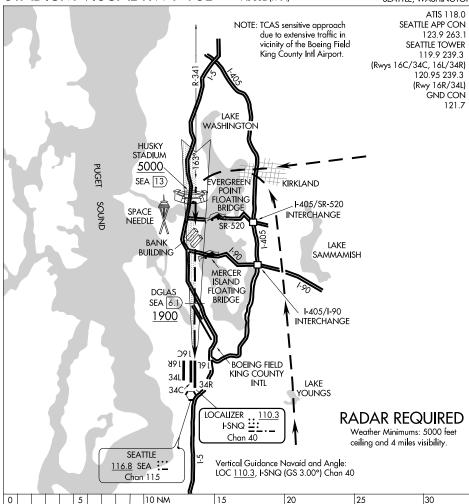
SEATTLE, WASHINGTON



TAKE-OFF RUNWAY 16L: Climb heading 164° and SEA R-161, thence. . . .

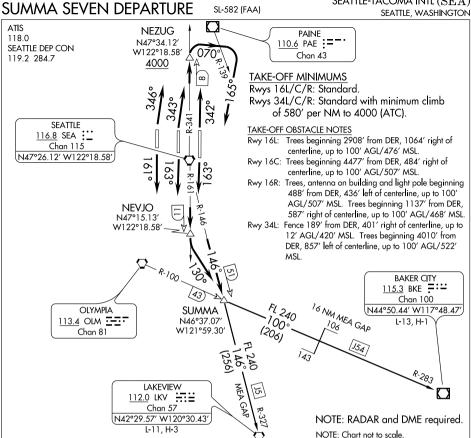
TAKE-OFF RUNWAY 16C: Climb heading 162° and SEA R-161, thence. . . . TAKE-OFF RUNWAY 16R: Climb heading 157° and SEA R-161, thence. . . .

.Maintain assigned altitude, expect radar vectors to assigned route.



STADIUM VISUAL APPROACH RWY 16L

When the ceiling is at least 5000' and visibility is at least 4 miles, aircraft may be vectored over Kirkland or Lake Youngs for a Stadium Visual Runway 16L Approach. When cleared for a Stadium Visual Approach; proceed inbound visually over Husky Stadium (via route depicted); intercept the Runway 16L localizer/SEA R-341 at 13 DME and complete a straight in visual approach to the airport.



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 34L: Climb heading 346° and SEA R-341, thence. . . . TAKE-OFF RUNWAY 34C: Climb heading 343° and SEA R-341, thence. . . . TAKE-OFF RUNWAY 34R: Climb heading 342° and SEA R-341, thence. . . .

. . . . to cross NEZUG at or above 4000, then right turn heading 070° to cross the PAE R-139, then right turn heading 165° to intercept SEA R-146 to SUMMA INT, then via assigned transition.

TAKE-OFF RUNWAYS 16L/C: Climb heading 163° and SEA R-161, thence. . . . TAKE-OFF RUNWAY 16R: Climb heading 161° and SEA R-161, thence. . . .

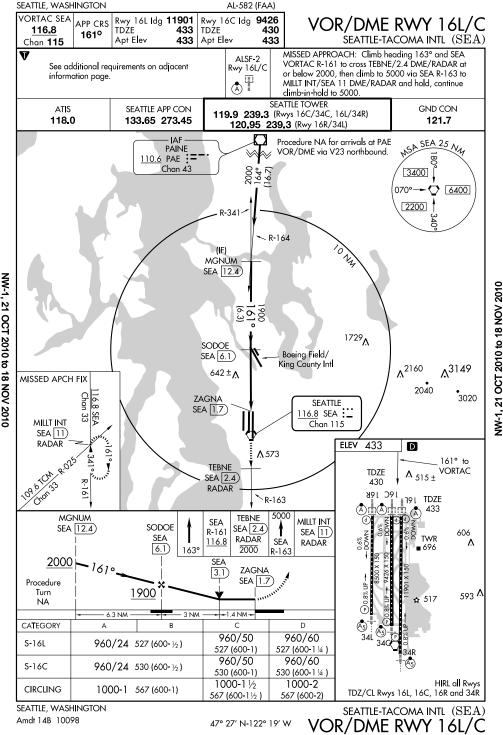
... to NEVJO, then left turn heading 130° to intercept the SEA R-146 to SUMMA INT, then via assigned transition.

BAKER CITY TRANSITION (SUMMA7.BKE): From over SUMMA INT via OLM R-100 and BKE R-283 to BKE VOR/DME.

LAKEVIEW TRANSITION (SUMMA7.LKV): From over SUMMA INT via SEA R-146 and LKV R-327 to LKV VORTAC.

SUMMA SEVEN DEPARTURE

SEATTLE, WASHINGTON



SEATTLE-TACOMA INTL AIRPORT

ALERT NOTICE

ATTENTION ALL AIRCRAFT LANDING TO THE SOUTH:

When transitioning from an instrument procedure to a visual approach to Runway 16C, verify you are aligned for the intended landing Runway, not Taxiway Tango. Taxiway Tango is west and parallel to Runway 16C.

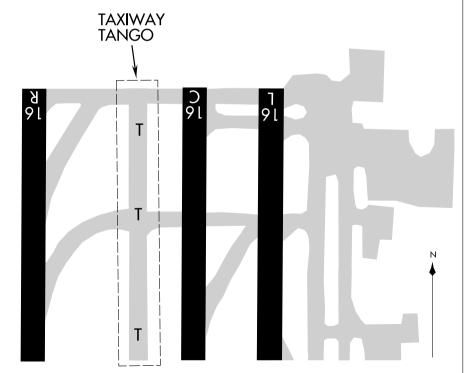
TRANSITION TO VISUAL:

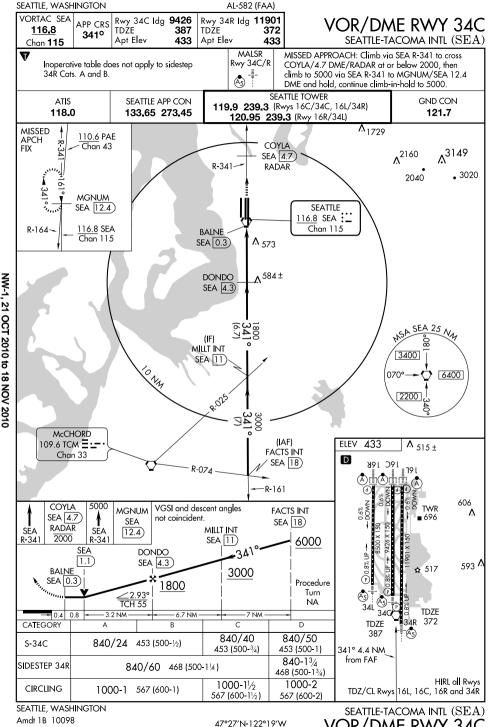
Taxiway Tango has been mistaken for Runway 16C from the air during certain visibility conditions, i.e., wet runway, low sun angle reflections. Aircrews are advised to be aware of the proximity of the taxiway to Runway 16C and its runway-like appearance while on approach.

RECOMMENDTION:

NW-1, 21 OCT 2010 to 18 NOV 2010

Aircrews should use visual cues, e.g., approach lighting systems, REILs, when available, to confirm alignment with Runway 16C not Taxiway Tango. Additionally, it is recommended when executing a segment of the ILS approach for a visual transition, track the localizer until the runway environment is visually verified.





WASHINGTON 181 SHELTON SANDERSON FLD (SHN) 3 NW UTC-8(-7DT) N47°14.01′ W123°08.85′ SEATTI E 273 B S4 FUEL 100LL JET A NOTAM FILE SHN H-1B, L-1D RWY 05-23: H5005X100 (ASPH) S-55, D-72, 2D-130 MIRI IAP 0.3% up NE RWY 05: Trees. Rgt tfc. €3 RWY 23: REIL, PAPI(P4L)—GA 3.0° TCH 35', Trees. AIRPORT REMARKS: Attended 1600-0030Z‡, Parachute Jumping, 24 hr

Œ credit card fuel facility. WEATHER DATA SOURCES: ASOS 119.275 (360) 427-3835. €3 COMMUNICATIONS: CTAF/UNICOM 122.8 €3 (R) SEATTLE APP/DEP CON 121.1 ~ ~3 Zone RADIO AIDS TO NAVIGATION: NOTAM FILE OLM **NIYMPIA (H) VORTACW** 113 4 OI M Chan 81 N46°58 30' C3 308° 18.7 NM to fld. 200/19E. HIWAS. W122°54.11' MASON CO NDR (MHW) 348 MNC N47°14 89' W123°05 18' 232° 2.7 NM to fld. NOTAM FILE SHN. 43 NDB unmonitored, NDB unusable 280°-340°beyond 20 NM.

SILVERDALE APFX AIRPARK (8W5) 2 NW UTC-8(-7DT) N47°39.41′ W122°43.99′ 525 B S4 NOTAM FILE SEA Not insp. RWY 17-35: H2500X28 (ASPH) LIRL

COMMUNICATIONS: CTAF/UNICOM 122 8 SKAGIT/BAY VIEW N48°28.12' W122°25.10'. NOTAM FILE BVS.

RWY 35: Rgt tfc. AIRPORT REMARKS: Attended continuously. Caution: children and pets etc on invof arpt. No line of sight between rwy ends. Twy east side rwy. Use caution on twy. Trees, acft and buildings in transition sfcs.

1 E UTC-8(-7DT) N47°42.66′ W121°20.34′

AIRPORT REMARKS: Unattended. CLOSED yearly 1 Oct-1 June. Vehicles, pedestrians and animals on and invof rwy. CTC Washington State Division of Aeronautics 360-651-6300 or 1-800-552-0666, for facility information prior

NDB (MHW) 240 BVS

SKYKOMISH STATE

1002

SKAGIT RGNL

at Skagit Rgnl. NDB unusable 350°-030° byd 20 NM. (See BURLINGTON/MOUNT VERNON)

SKY HARBOR (See SULTAN) SKYLINE SPB

NOTAM FILE SEA RWY 06-24: 2050X100 (TURF) RWY 06: Trees.

COMMUNICATIONS: CTAF 122 9 SNOHOMISH CO (PAINE FLD)

(S88)

(See ANACORTES)

RWY 24: Trees.

(See EVERETT)

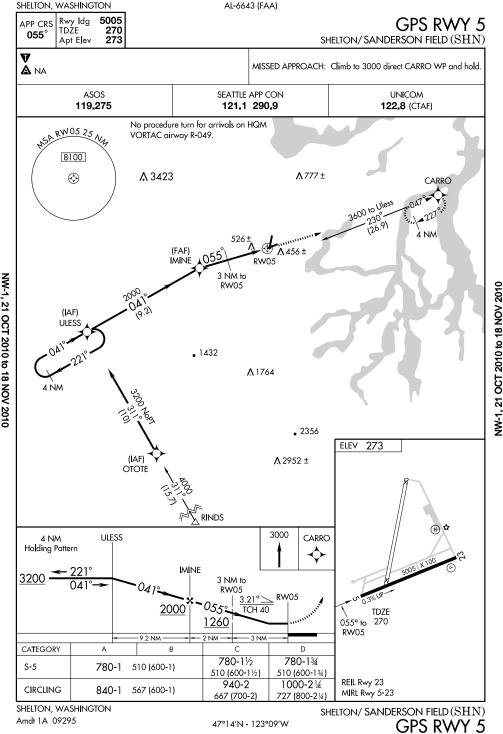
to use. Mountains surround arpt. Rwy soft when wet.

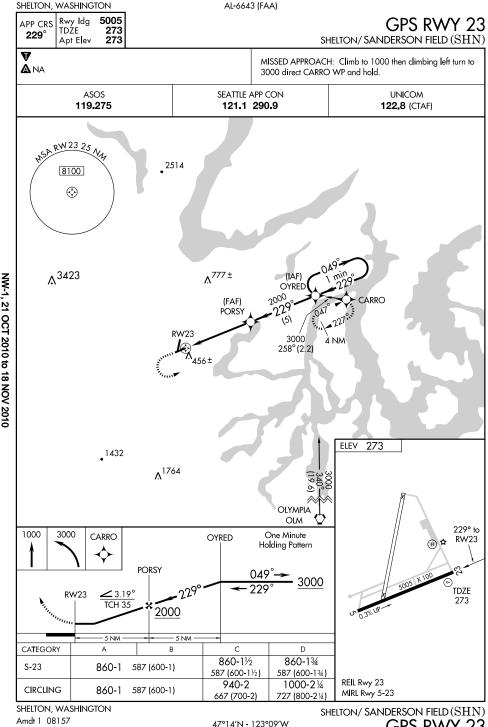
SFATTI F

SEATTLE

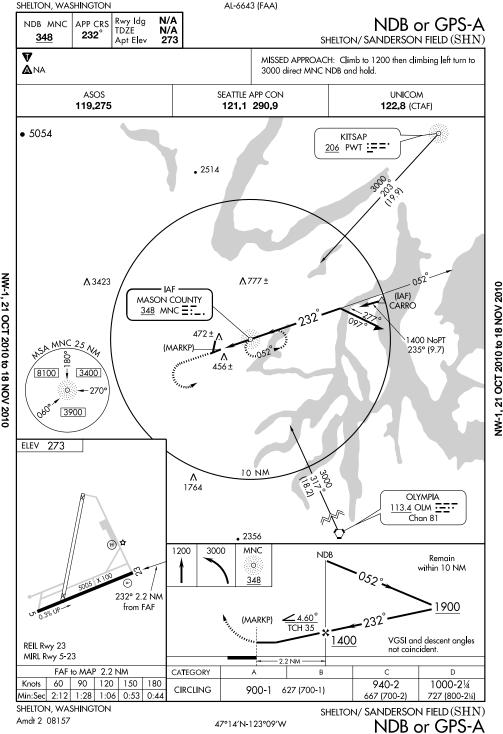
SEATTLE

L-1E





GPS RWY 23



WASHINGTON 182

HARVEY FLD

HZIMOHONZ

FUEL 100. JET A TPA-1006(984) NOTAM FILE SEA RWY 15L-33R: H2671X36 (ASPH) S-10 LIRL (NSTD) RWY 15L: TRCV(TRIR)-GA 5.0° TCH 30'. Thid dsplcd 451'. P-line. Rgt tfc.

(S43) 1 SW UTC-8(-7DT) N47°54.29′ W122°06.16′

RWY 33R: TRCV (TRIR)—GA 3.0° TCH 30'. Thid dsplcd 241'. Trees. RWY 15R-33L: 2430X100 (TURF) RWY 33L: Trees. RWY 15R: P-line. Rgt tfc.

AIRPORT REMARKS: Attended Nov-Mar 1530-0200Z‡, Apr-Oct 1530-0500Z‡. Fuel 24 hour credit card svc avbl.

Parachute Jumping. Helicopter training west of rwys 500' and blo. High voltage P-line 22' high 25' from apch

PAINE (L) VORW/DME 110.6

FUEL 100LL

RWY 11-29: H3005X52 (ASPH)

COMMUNICATIONS: CTAF 122.9

SOUTH BEND (RAYMOND)

RWY 11: Trees.

WILLAPA HARBOR

R

end of Rwy 15L. Additional parachute student drop zone 1 NM E of arpt marked with white X. Arriving helicopter tfc apch helipads from NE or SE to avoid student drop zone. Parachute drop zone between Rwy 15L-33R and main twy, large gravel circle. Rwy 15L and Rwy 15R calm wind rwys. Noise abatement procedures in effect, ctc

(2S9)

ACTIVATE MIRL Rwy 11-29-122.8.

RADIO AIDS TO NAVIGATION: NOTAM FILE HOM.

arpt manager 360-568-1541. Rwy 15L-33R NSTD LIRL, thid Igts 360° green. COMMUNICATIONS: CTAF/UNICOM 123.0

NOTAM FILE SEA

RWY 29: Trees.

in vicinity of arpt. Rwy 11-29 52' wide with 22.5' asph trtd shoulders. Rotating bcn OTS indef. ACTIVATE rotating bcn-122.8.

HOQUIAM (H) VORTAC 117.7 HOM Chan 124 N46°56.82' W124°08.96' 119° 20.1 NM to fld. 10/19E. HIWAS.

S-12

SEATTLE CENTER APP/DEP CON 128.5 RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

MIRL

PAE Chan 43 N47°55.19′ W122°16.67′ 077° 7.1 NM to fld. 670/20E. 2 NW UTC-8(-7DT) N46°41.86′ W123°49.40′

AIRPORT REMARKS: Unattended. Fuel unavbl indef. Watch for elk on and

(See KELSO)

NOTAM FILE SEA

RWY 34: Trees. Rgt tfc.

RWY 34: Thid dsplcd 200', Road, Rgt tfc.

LIRL

SFATTI F

SEATTLE

SEATTLE

SEATTLE

L-1C

I-1D

IAP

SOUTHWEST WASHINGTON RGNL

SPANAWAY

SHADY ACRES (3B8) 3 SE UTC-8(-7DT) N47°04.22' W122°22.27'

TPA-988(615)

S-12

NOTAM FILE SEA

RWY 16-34: H1800X20 (ASPH) LIRL

RWY 16: Trees.

AIRPORT REMARKS: Unattended. PPR for night ops call arpt manager 253-846-8953. Military activity on and in vicinity of arpt. Power plants with emissions that may not be visible 0.5 and 1 statute mile northeast of arpt. Dsplcd

thId marked with NSTD chevrons. Rwy 16 ID is not standard distance from rwy end. Directional rwy edge Igts.

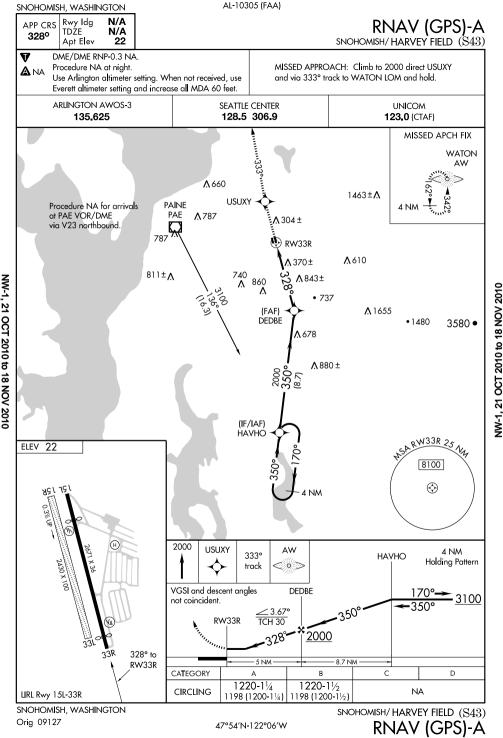
COMMUNICATIONS: CTAF 122.9

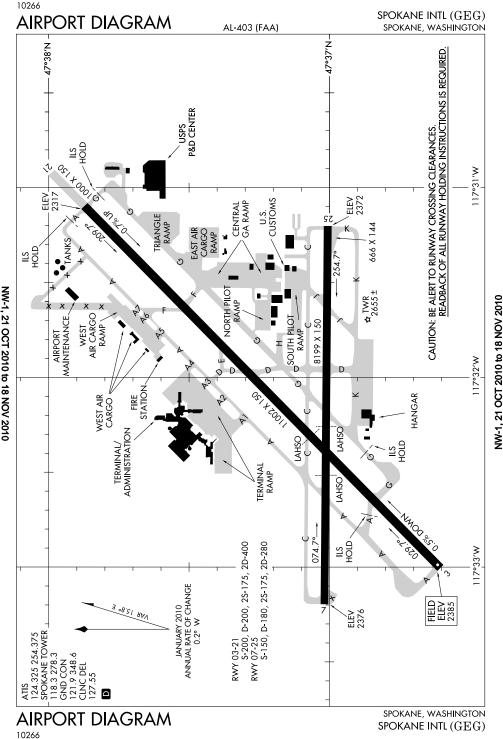
SPANAWAY (S44) 1 S UTC-8(-7DT) N47°05.21′ W122°25.88′

373 FUEL 100LL

RWY 16-34: H2724X20 (ASPH) RWY 16: Thid dspicd 200'. Tree. AIRPORT REMARKS: Attended 1600Z‡-dusk, CAUTION: Military tfc on and in vicinity of arpt. Rwy 16 paved, Rwy 16 has NSTD numbers, edge lines and thid markings only, Rwy 16 number located 300' S of painted dsplcd thid. COMMUNICATIONS: CTAF 122.9

R SEATTLE APP/DEP CON 126.5





WASHINGTON 184 SPOKANE INTL (GEG) 5 SW UTC-8(-7DT) N47°37.14′ W117°32.11′

RWY 03-21: H11002X150 (ASPH-GRVD) S-200, D-200, 2S-175, 2D-400 HIRL CL IAP. AD RWY 03: ALSF2, TDZL, VASI(V6L)—Upper GA 3,25° TCH 87', Lower GA 3.0° TCH 54'. Rgt tfc. 0.5% down. RWY 21: ALSF2. TDZL. PAPI(P4L)-GA 3.0° TCH 46'. Ground. Rgt 0.7% up. RWY 07-25: H8199X150 (ASPH-GRVD) S-150, D-180, 2S-175, 2D-280 MIRL RWY 07: REIL. VASI(V4L)-GA 3.2° TCH 60'. Rgt tfc. RWY 25: REIL. PAPI(P4L)-GA 3.0° TCH 50'. Tree. LAND AND HOLD SHORT OPERATIONS LANDING HOLD SHORT POINT DIST AVBL RWY N7 03 - 212800

FUEL 100, 100LL, JET A OX 1, 2, 3, 4 Class I, ARFF Index B NOTAM FILE GEG H-1C, L-13B

RWY 21 07 - 257000 03-21 4350 TODA-8199

TODA-8199

invof arpt. Twy H restricted to wingspan of 75' or less. Twy K unlighted on ramp side along maintenance ramp and is unavailable below 1200 RVR unless under escort by "follow me". Rwy 03 VFR only. Rwy 21 ALSF2 may be operated as SSALR during favorable weather conditions. Be alert to turbulence over smoke stacks 1 mile E of arpt. U.S. Customs user fee arpt. Flight Notification

WEATHER DATA SOURCES: ASOS (509) 624-4406. HIWAS 115.5 GEG. UNICOM 122.95

Rwy 03.

RWY 34: Brush. Rgt tfc.

(16W)

360-651-6300 or 1-800-552-0666 for facility information prior to use.

RWY 25: Hill.

Class IIIE.

AIRPORT REMARKS: Attended Mon-Fri 1630-0130Z‡. Do not taxi on grass Oct-May. Parallel driveway adjacent to Rwy

AIRPORT REMARKS: Unattended. CLOSED 1 Oct-1 June. CAUTION: Airport located in canyon rolling terrain 700-800' S rising to 750', canyon wall 800' S rises steeply to 1800'+, N wall rises to 1600'+. Pedestrians, vehicles, and animals on and invof rwy. Portions of rwy sfc rough and soft. CTC Washington State Aviation Division

3 NW UTC-8(-7DT) N48°15.42′ W122°26.17′

7 NE UTC-8(-7DT) N46°34.99' W118°00.06'

N47°40.62′ W117°27.01′ Chan 48 Rwy 21. Class IIIE.

CRK

360°-015° bvd 26 NM blo 7.000' 300°-330° byd 30 NM blo 9,000'

GEG Chan 102 N47°33.90′ W117°37.61′ 028° 4.9 NM to fld. 2756/21E. HIWAS. VOR portion unusable:

Chan 48

RCO 122.65 122.55 122.2 (SEATTLE RADIO)

GND CON 121.9 CLNC DEL 127.55 (H) VORTACW 115.5

(R) APP/DEP CON 133.35 (026°-204°) 123.75 (205°-025°) TOWER 118.3 AIRSPACE: CLASS C svc ctc APP CON RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

I-GEG

I-OLJ

NOTAM FILE SEA

STAMPEDE PASS SMP N47°15.98' W121°22.07'/3964.

CANYON NDB (MHW) 388

ASOS 135.275 360-886-2758

CAMANO ISLAND AIRFIELD (13W)

RWY 16-34: H1750X24 (ASPH) RWY 16: Tree. Rgt tfc.

COMMUNICATIONS: CTAF 122.9

LITTLE GOOSE LOCK AND DAM

COMMUNICATIONS: CTAF 122 9

NOTAM FILE SEA RWY 07-25: 3400X50 (GRVL) RWY N7. Road

ILS/DME 111.1

ILS/DME 111.1

S4

16-34.

STANWOOD

STARBUCK

COMMUNICATIONS: ATIS 124.325

Service (ADCUS) available.

RWY 07: TORA-8199 ASDA-8199 RWY 21: TORA-11002 TODA-11002 ASDA-11002 LDA-11002 RWY 25: TORA-8199 ASDA-8199 AIRPORT REMARKS: Attended 1400-0600Z‡. Waterfowl and birds on and

RUNWAY DECLARED DISTANCE INFORMATION:

2385 B S4

SEATTLE

SEATTLE

SEATTLE

L-1D

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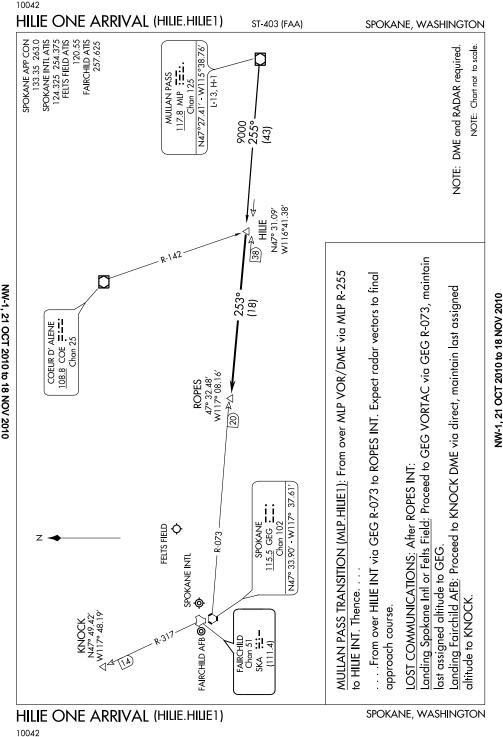
335°-360° bvd 18 NM blo 7.000'

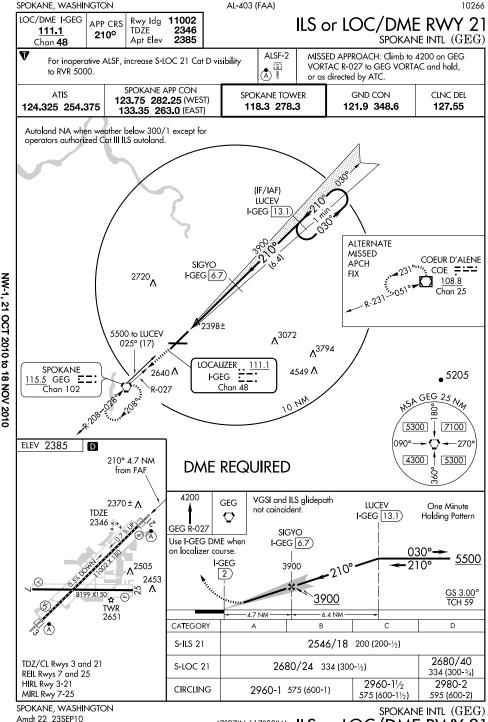
335°-360° byd 25 NM

205° 4.8 NM to fld.

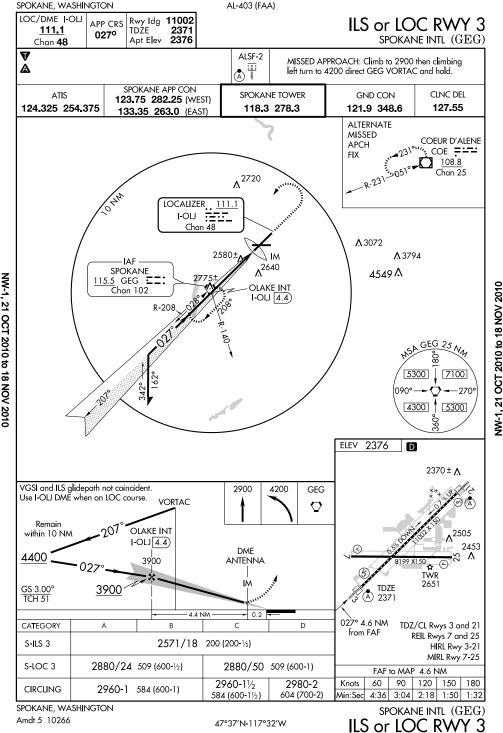
LDA-8199

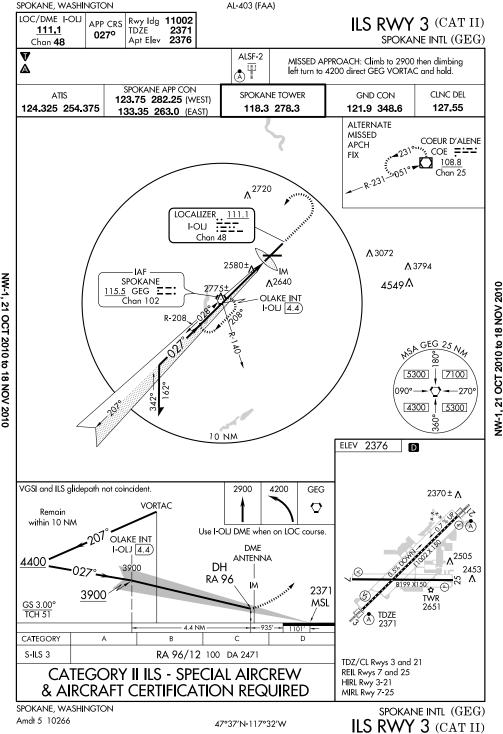
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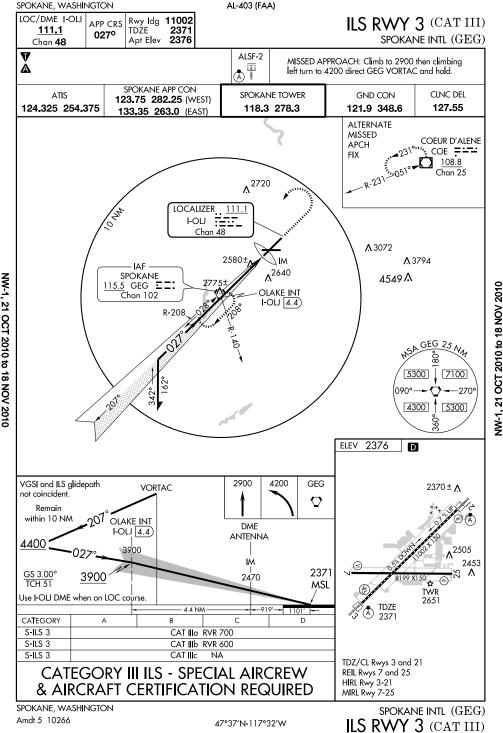


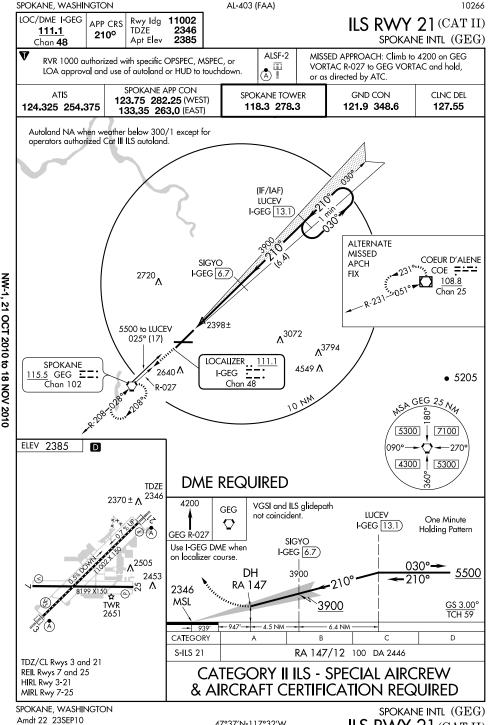


47°37′N-117°32′W ILS or LOC/DME RWY 21

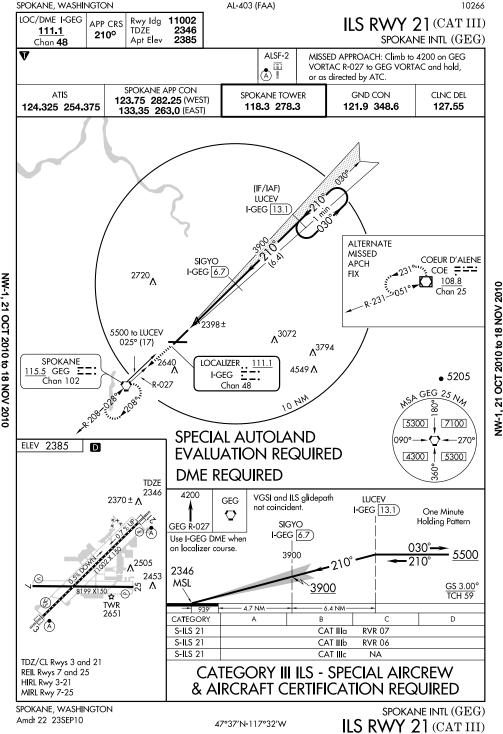








ILS RWY 21 (CAT II)



LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned.

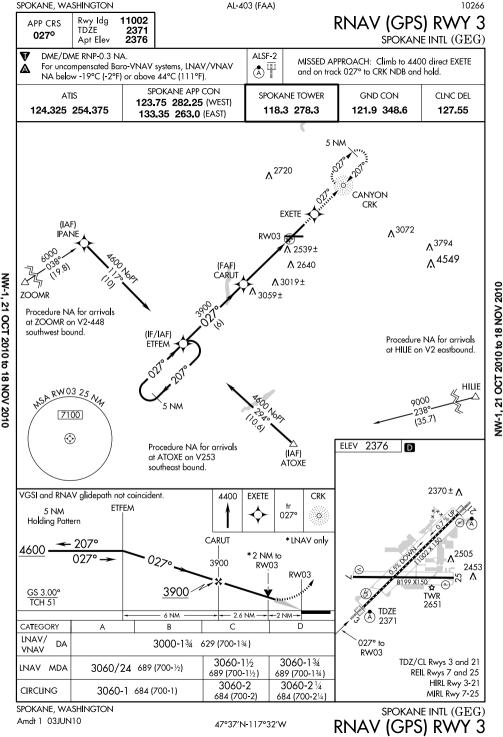
The Aeronautical Information Manual contains specific details on hold-short operations and markings.

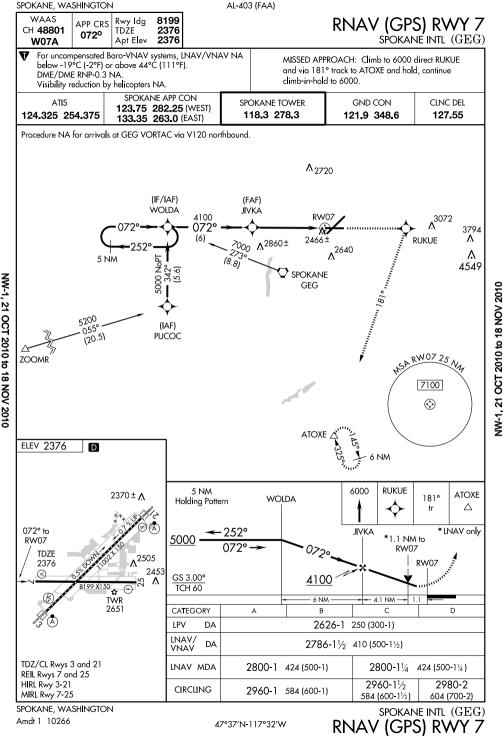
The Aeronautical Information Manual contains specific details on hold-short operations and markings.			
CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
BOZEMAN, MT			
GALLATIN FIELD (BZN)	12	03-21	6,841 feet
MOSES LAKE, WA			
GRANT COUNTY INTL (MWH)	04	14L-32R	4,700 feet
	14L	04-22	7,550 feet
	22	14L-32R	4,650 feet
	32R	04-22	5,050 feet
PORTLAND, OR			
PORTLAND-HILLSBORO (HIO)	12	02-20	4,922 feet
SALEM, OR			
MCNARY FIELD (SLE)	31	16-34	3,150 feet
	34	13-31	3,050 feet
SPOKANE, WA			
SPOKANE INTL (GEG)	07	03-21	2,800 feet
	21	07-25	7,000 feet
	25	03-21	4,350 feet
TWIN FALLS, ID JOSLIN FIELD-MAGIC VALLEY			
RGNL (TWF)	07	12-30	4,500 feet
, ,	25	12-30	3,600 feet

21 OCT 2010 to 18 NOV 2010

PROCEDURE NOT AUTHORIZED AT NIGHT.

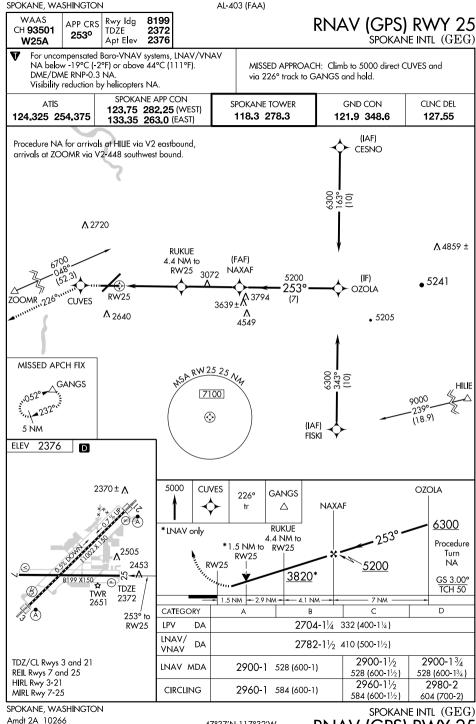
NW-1, 21 OCT 2010 to 18 NOV 2010





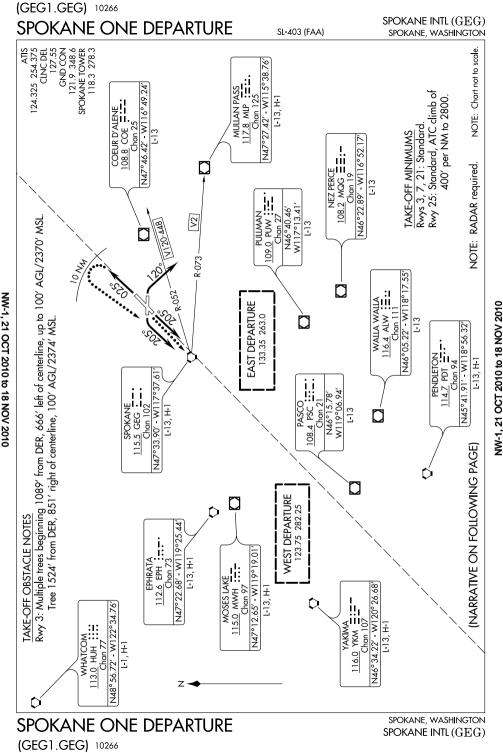
Orig-E 10266

SPOKANE INTL (GEG)
RNAV (GPS) RWY 21



NW-1, 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 25 47°37′N-117°32′W



SPOKANE ONE DEPARTURE

SL-403 (FAA)

SPOKANE INTL (GEG) SPOKANE, WASHINGTON



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 3: Turn left heading 025°, expect radar vectors to assigned

airway/route. Thence.... TAKE-OFF RUNWAY 7: Turn right heading 120°, expect radar vectors to assigned

airway/route. Thence.... TAKE-OFF RUNWAY 21: Turn left heading 205°, expect radar vectors to assigned airway/route. Thence....

TAKE-OFF RUNWAY 25: Turn left heading 205°, expect radar vectors to assigned airway/route. Thence....

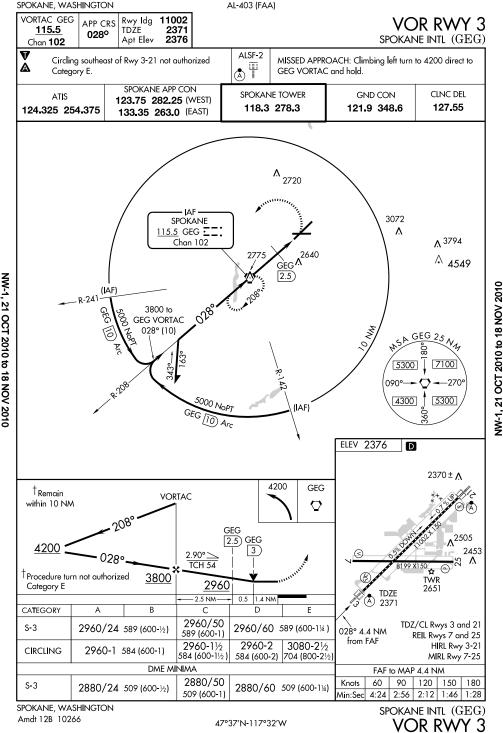
....maintain 12000' or assigned lower altitude, expect filed altitude/flight level 10 minutes after departure.

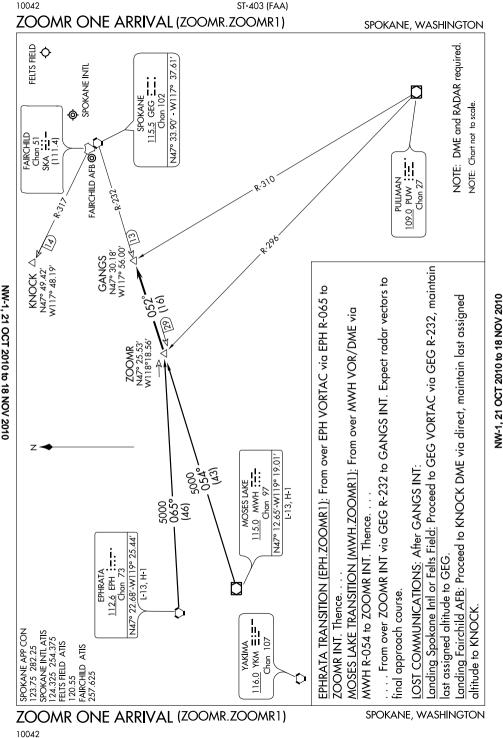
LOST COMMUNICATIONS: Climb direct GEG VORTAC before proceeding on course. Cross GEG VORTAC at or above: NE-bound V120-448 5200'; E-bound V2 5200'.

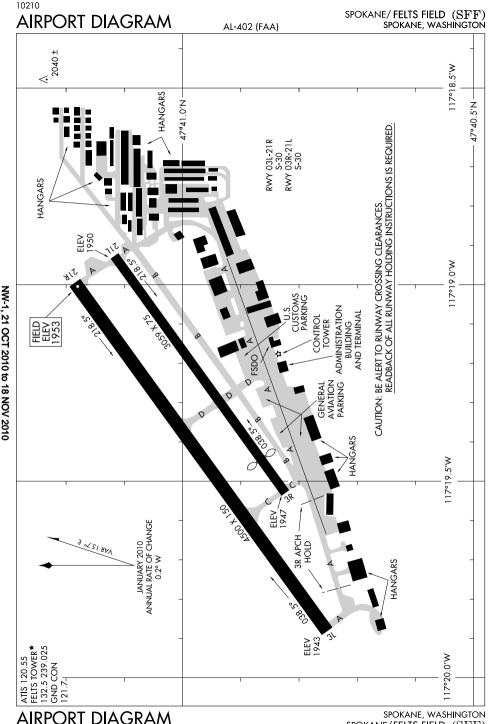
fix/route.

NW-1, 21 OCT 2010 to 18 NOV 2010

Aircraft departing RWY 3, if not in contact with ATC within 10 NM after takeoff, turn left direct GEG VORTAC, cross GEG VORTAC at or above 5200', thence via assigned







AIRPORT DIAGRAM

SPOKANE/FELTS FIELD (SFF)

SEATTLE

WASHINGTON

(SFF) 4 NE UTC-8(-7DT) N47°40.97′ W117°19.35′

S-30

OX 3.4

MIRL

FUEL 100LL, JET A1 +

AIRPORT REMARKS: Attended 1500-0200Z‡. Waterfowl and birds on and invof arpt, Lgtd crane 1953'MSL (200' AGL) 1,25 NM east indef. Acft with tail heights over 20' must ctc ATCT prior to taxi. Twr unable to provide ATC svc on perimeter twy due to movement

ops above 10' AGL in non-movement area ctc twr. Obstacle free area for Twy A is delineated with a green line. Rwy 21L PAPI unusable byd 5° either side of centerline within 4 NM of thld.

REIL 03L-CTAF. VASI Rwy 03L and VASI Rwy 21R opr

RWY 03L: REIL. VASI(V4L)—GA 3.0° TCH 50', Road. RWY 21R: MALSR, VASI(V4R)-GA 3.5° TCH 44', Tree, Rgt tfc.

SPOKANE FELTS FLD

1953

S4

RWY 03R-21L: H3059X75 (ASPH)

RWY 03L-21R: H4500X150 (CONC) S-30

RWY 03R: Thid dspicd 415'. Bldg. Rgt tfc.

RWY 21L: PAPI(P4L)-GA 3.8° TCH 42'. Trees.

SPOKANE RCO 122.65 122.55 122.2 (SEATTLE RADIO)

(ADCUS) available.

WEATHER DATA SOURCES: ASOS (509) 535-3290. HIWAS COMMUNICATIONS: CTAF 132.5 ATIS 120 55

(R) SPOKANE APP/DEP CON 133.35 TOWER 132.5 (1400-0400Z±) GND CON 121 7

AIRSPACE: CLASS D svc 1400-0400Z± other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90′ W117°37.61′ 039° 14.2 NM to fld. 2756/21E. HIWAS. Rwv 21R. LOC only, Localizer unusable 0.2 NM from rwy threshold, DME ILS/DME 111.7 I-FLZ Chan 54

IINICOM 122 95

unusable 15° right of course.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

service only area not visible from twr. Ctc Felts twr. 132.5 for tfc data

1910

WATERWAY 21: Rgt tfc. SEAPLANE REMARKS: Extensive boating in area of water rwy. Water level on river may be lowered by Corp of Engineers. Water area adjacent to airport not controlled or maintained by airport. Waterway 03-21 water rwy advisory

WATERWAY 03-21: 6000X100 (WATER)

LRA NOTAM FILE SFF L-13B IAP. AD Waterway 0371:03 C3 of uncontrolled ground tfc. PPR for rotorwing acft conducting hover When twr clsd ACTIVATE MIRL Rwy 03L-21R, MALSR Rwy 21R and continuously. PAPI Rwy 21L opr SR-SS. Flight Notification Service

10098

NW-1, 21 OCT 2010 to 18 NOV 2010

FELTS TWO DEPARTURE

SL-402 (FAA)



NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

<u>TAKE-OFF RUNWAY 3L/R:</u> Climb heading 035° to 4700, expect RADAR vectors to assigned airway/route. Thence....

TAKE-OFF RUNWAY 21L/R: Climbing left turn heading 190° to 5500, expect RADAR vectors to assigned airway/route. Thence....

....maintain 12000' or assigned lower altitude, expect filed altitude/flight level 10 minutes after departure.

<u>LOST COMMUNICATIONS</u>: Climb direct GEG VORTAC before proceeding on course. Cross GEG VORTAC at or above: NE-bound V120-448 and E-bound V25200'.

TAKE-OFF OBSTACLE NOTES

Rwy 3L: Trees beginning 1853' from DER, 772' right of centerline, up to 100' AGL/2037' MSL. Trees beginning 3538' from DER, 529' left of centerline, up to 100' AGL/2339' MSL. Antenna, trees and transmission poles beginning 1.5 NM from DER, 16' left of centerline, up to 100' AGL/2579' MSL.

Trees beginning 2.3 NM from DER, 723' right of centerline, up to 100' AGL/2499' MSL.

Rwy 3R: Hangar, NDB, and trees beginning 92' from DER, 269' right of centerline, up to 100' AGL/2040' MSL.

Trees beginning 4685' from DER, 1033' left of centerline, up to 100' AGL/2339' MSL Antenna, trees and transmission poles beginning 1.6 NM from DER, 525' left of centerline, up to 100' AGL/2559' MSL.

Trees and transmission poles beginning 2.6 NM from DER, 214' right of centerline, up to 150' AGL/2570' MSL.

Rwy 21L: Elevator, pole on building and trees beginning 315' from DER, 302' left of centerline, up to 140' AGL/2080 MSL.

Rwy 21R: Poles and trees beginning 188' from DER, 13' right of centerline, up to 100' AGL/1982' MSL. Elevator, pole hangar and building beginning 203' from DER, 1' left of centerline, up to 140' AGL/2080' MSL.

Terrain and trees beginning 3.1 NM from DER, 4904' left of centerline, up to 100' AGL/2559' MSL.

HAYDEN TWO DEPARTURE ATIS 120.55

GND CON 121.7 FELTS TOWER * 132.5 (CTAF) 239.025 SPOKANE DEP CON

133.35 263.0

5000 SPOKANE 11<u>5.5</u> GEG 🔼: Chan 102 N47°33.90′-W117°37.61′ L-13, H-1

NOTE: RADAR required.

TAKE-OFF MINIMUMS Rwy 21L/21R: NA- ATC.

Rwy 3L/3R: Standard with minimum climb of 410' per NM to 5000.

TAKE-OFF OBSTACLE NOTES Rwy 3L: Trees beginning 1853' from DER, 772' right of centerline, up to 100' AGL/2037' MSL.

Trees beginning 3538' from DER, 529' left of centerline, up to 100' AGL/2339' MSL. Antenna, trees and transmission poles beginning 1.5 NM from DER, 16' left of centerline, up to 100' AGL/2579' MSL.

Trees beginning 2.3 NM from DER, 723' right of centerline, up to 100' AGL/2499' MSL. Rwy 3R: Hangar, NDB, and trees beginning 92' from DER, 269' right of centerline, up to

100' AGL/2040' MSL. Trees beginning 4685' from DER, 1033' left of centerline, up to 100' AGL/2339' MSL Antenna, trees and transmission poles beginning 1.6 NM from DER, 525' left of centerline, up to 100' AGL/2559' MSL.

Trees and transmission poles beginning 2.6 NM from DER, 214' right of centerline, up to 150' AGL/2570' MSL. NOTE: Chart not to scale.

V

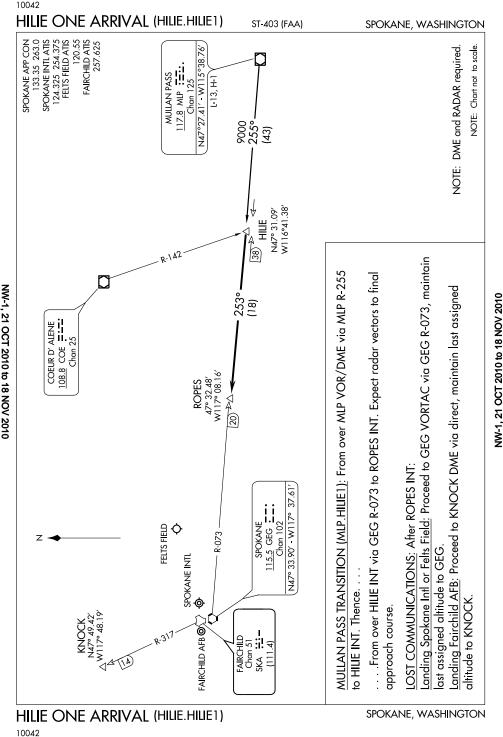
NW-1, 21 OCT 2010 to 18 NOV 2010

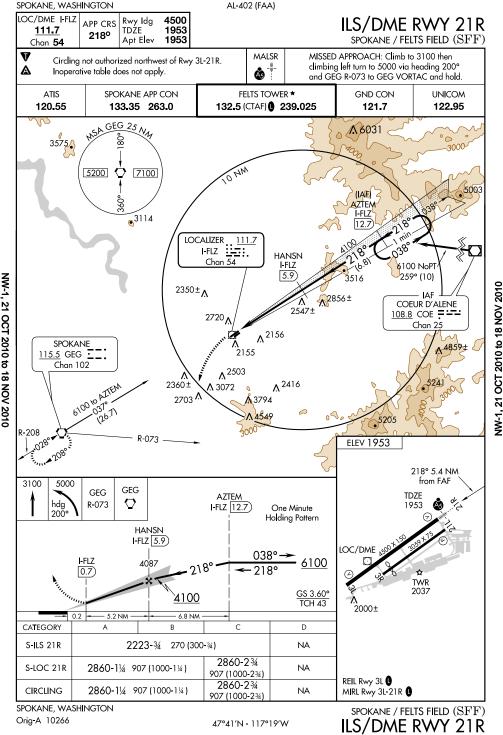
DEPARTURE ROUTE DESCRIPTION

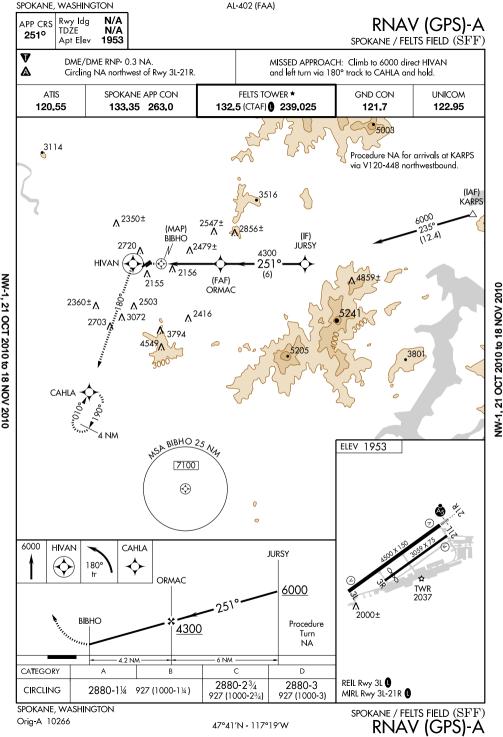
TAKE-OFF RUNWAYS 3L/R: Climbing right turn heading 060° to 5000'. Expect RADAR vectors to (assigned route) or (fix).

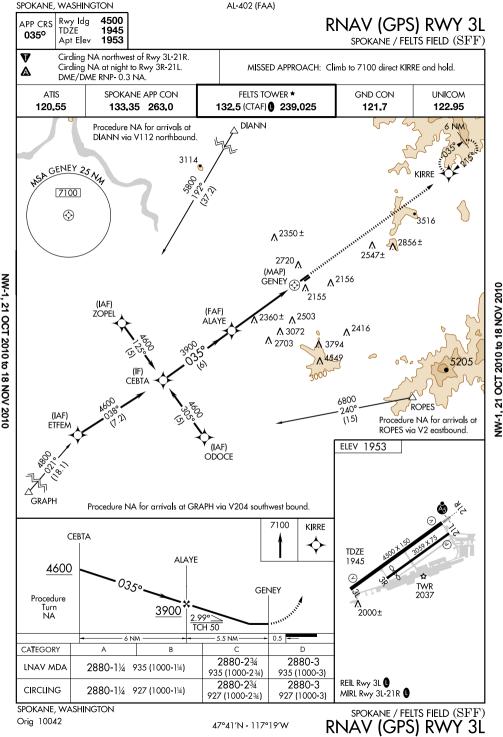
LOST COMMUNICATIONS: If not in radio contact with departure control after leaving 3000', continue climb to 5000', then turn left, proceed direct to GEG VORTAC and

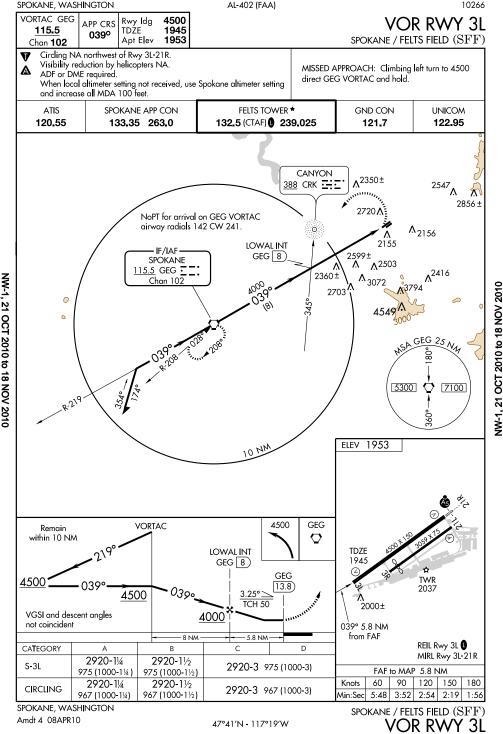
thence proceed on course.

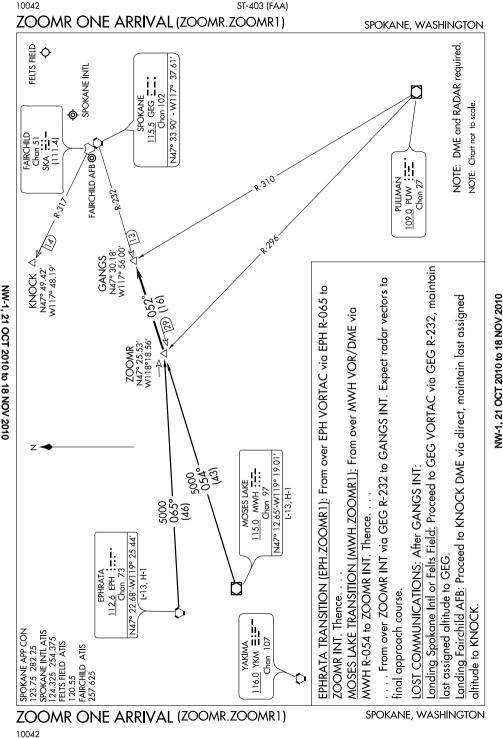


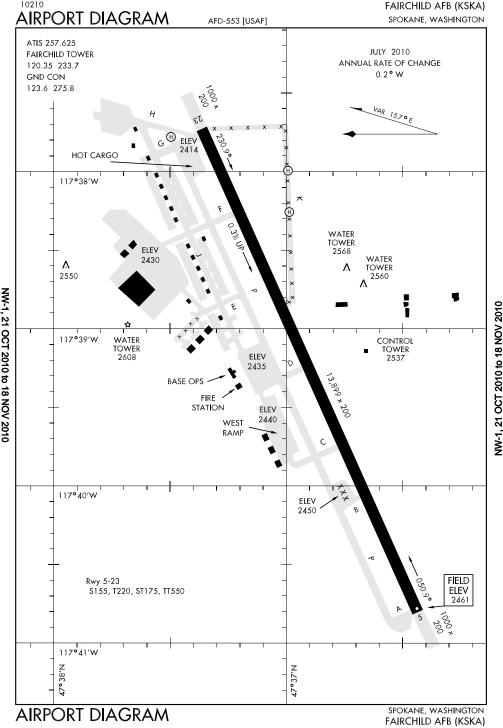












N47°36 90' W117°39 35'

NOTAM FILE SKA Not insp

155

SEATTI E

ΠΙΔΡ ΔΠ

H-1C I-13B

HIRL

CI

RWY 05-23: H13899X200 (CONC)

RWY 05: ALSE1 TD71 PAPI(P41)-GA 3 0° TCH 51' RWY 23: ALSE1 TD71 PAPI(P41)-GA 2 5° TCH 50' Rat tfc MILITARY SERVICE: LGT Rwy 05 PAPI not coincidental with ILS/GS. Apph lighting system Rwy 05-23 NSTD. JASU (MA-1A) FIIFI 18 FILLID SP PRESAIR: De-ice Not avbl for C5 C17: LOX (A/M32A-86) (MC-1A) TRAN ALERT Syc weekdays 1500-0700Z±, weekends clsd. Ctc Base Ops not later than 15 minutes out for syc required. Fleet syc avbl. No potable water syc.

PCN 51 R/B/W/T

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information, RSTD PPR includes scheduled AMC mission, 24 hr prior coordination required. All inbound passenger/cargo acft must ctc Command Post no later than 30 min prior to ldg. AMC acft oprirstd during Bird Watch Condition Moderate (tkf or ldg permission only when dep/arr route avoid identified bird activity, no local IFR/VFR tfc pattern activity) and Severe (tkf and ldg prohibited without Operation Group Commander approval, practice circling apph not authorized for tran acft) ctc twr. PTD, or Command Post for current Bird Watch condition. Acft configured with explosives are not authorized. Cargo acft transporting explosives are authorized. Arpt unable to support acft transporting more than 13,000 to 32,000 pounds class 1.1 explosive cargo. First 1300' Rwy 23/last 1300' Rwy 05 rated poor. Use Twy F int for Rwy 23 dep unless mission requires full length. To max extent possible exit Twy F when ldf Rwy 05. Avoid ldg on first

1300' of Rwy 23 unless wx dictates use of instrument apch. Dur taxi acft are to use idle thrust and limit the use of reverse thrust when opr on first 1300' Rwy 23/last 1300' Rwy 05. Practice circling apch not authorized for tran acft. Parachute jumping activity Fri 2030-21307±. Ellington Drop Zone, 5000' south of rwy. Parking spots 15-30 are tow on/off only, no engine runs, CAUTION Rwy edge lgts located 60' from outside of side stripe. Uncontrolled vehicles on all twys and ramps. Helicopter opns within vicinity of Fairchild AFB. Departing acft remain at or blo 3700' until dep end of rwy for protection of overhead pattern. Do not mistake Spokane Intl 4.5 NM east for Fairchild AFB. Phase II (the high bird potential haz time period) of the Bird Aircraft Safety Hazard

program is in effect annually from May to Oct. Rwy 05–23 overruns rated poor, IFC PAT TPA—Rectangular 3700 (1239), overhead 4200(1739) CSTMS/AG/IMG - C509-247-5435/5439. MISC Air Evac/Tran acft ctc PTD 20 minutes prior to arrival. Base OPS DSN 657-5439/5202, C509-247-5439/5202, ANG Opr Mon-Fri 1515-2345Z±, clsd weekend and holidays. COMMUNICATIONS: SFA ATIS 257.625 PTD 130.0 372.2 R SPOKANE APP/DEP CON 133.35 263.0 (026°-204°) 123.75 282.25 (205°-025°) TOWER 120.35 233.7 GND CON 123.6 275.8 COMD POST (STRIKEHAWK) 311.0 321.0 PMSV METRO 234.8 Wx stn opr Mon-Thu 1300-1700Z‡. Fri hrs vary based on IcI flying, clsd weekend and hol, Full svc PMSV avbl via 25 OWS, AWOS in use, DSN 657-9010. C509-247-9010. Tran aircrew may ctc 25 OWS DSN 228-6598, or C520-228-6598 for wx briefing. When

possible provide 2hr PN for all rqr briefings. WASHINGTON ANG OPS 293.7 AIRSPACE: CLASS C svc ctc APP CON. RADIO AIDS TO NAVIGATION: NOTAM FILE SKA.

(L) TACAN SKA Chan 51 N47°36.64′ W117°39.74′ (2000/3+1).TACAN unusable:

at fld. 2438/19E. No NOTAM MP Tue 1400-1700Z± 110°-220° byd 20 NM blo 7,000′ 220°250° byd 30 NM blo 5,500′

110°-220° bvd 30 NM blo 9.500′

ILS 110.3 I-FRC Rwv 05. Back course unusable. No NOTAM MP Wed and Thu 1400-1700Z‡

(2000/3+1).

ILS 110.3 I-SKA Rwv 23. Class IT. Back course unusable. No NOTAM MP Wed and Thu

1400-1700Z± (2000/3+1).

COMM/NAV/WEATHER REMARKS: Acft rgr SFA notify Seattle Center or Spokane App Con 20 minutes out on any published

frequency.

FELTS FLD (See SPOKANE)

FERRY CO (See REPUBLIC)

FIRSTAIR FLD (See MONROE)

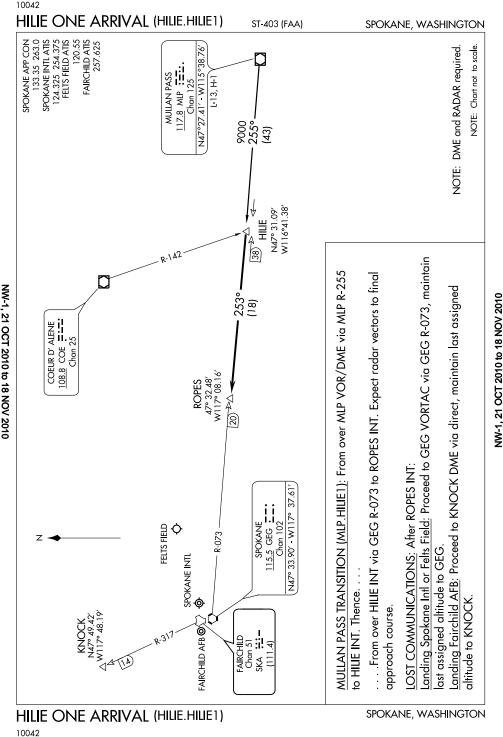
FLOATHAVEN SPB (See BELLINGHAM)

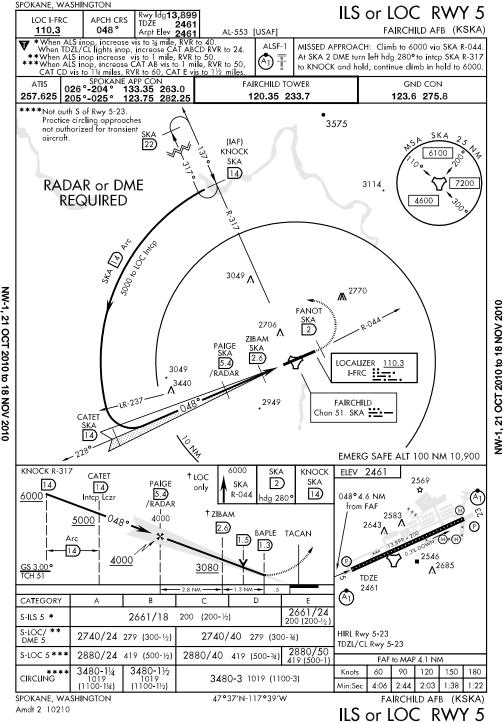
(See VANCOUVER) (S18) 1 SW N47°56.26' W124°23.76'

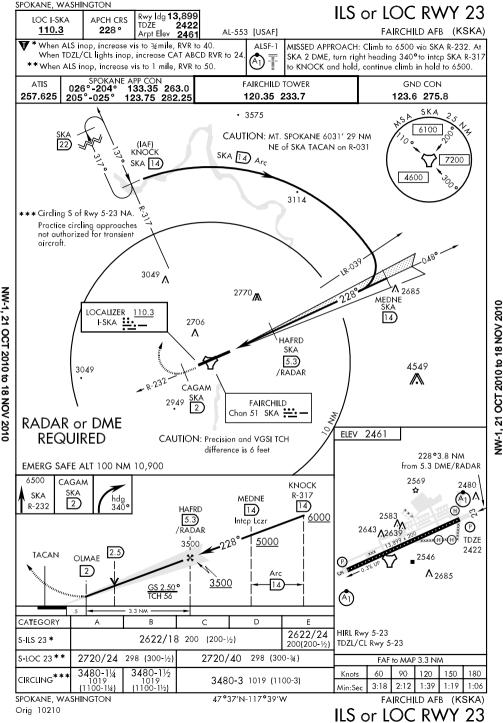
FLY FOR FUN SEATTLE

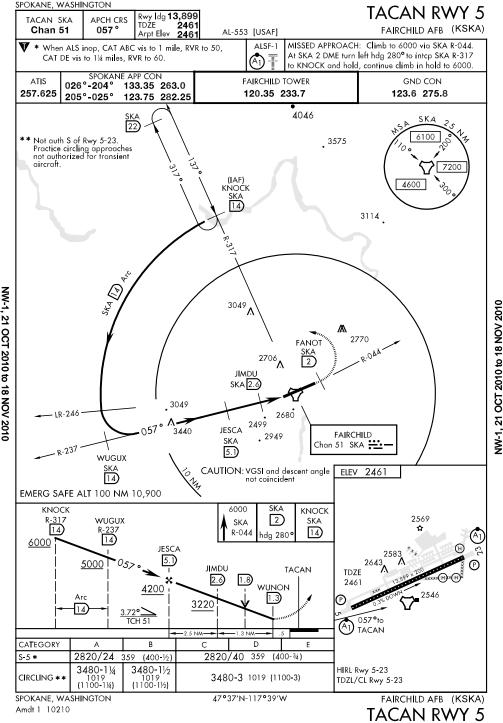
FORKS UTC-8(-7DT)299 NOTAM FILE SEA RWY 04-22: H2400X75 (ASPH) MIRL

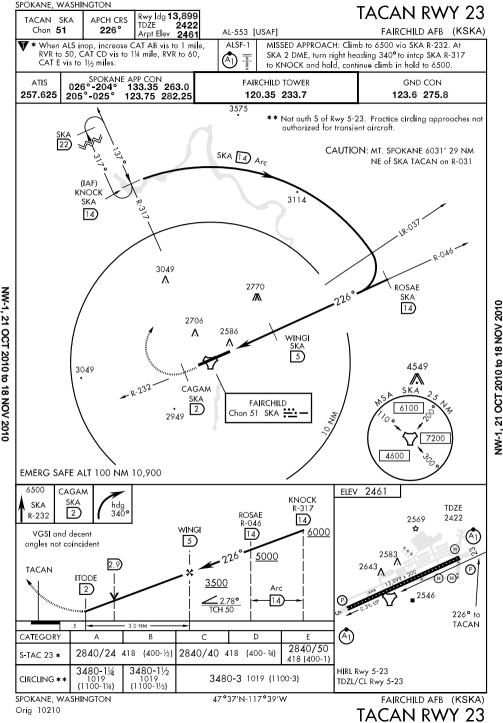
RWY 04: REIL. Tree. RWY 22: REIL. Tree. Rgt tfc. AIRPORT REMARKS: Unattended, Wildlife on and invof arpt. COMMUNICATIONS: CTAF 122 9

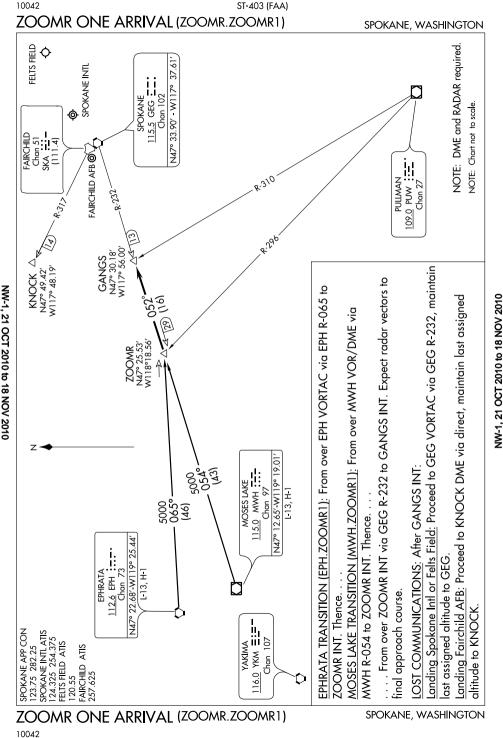


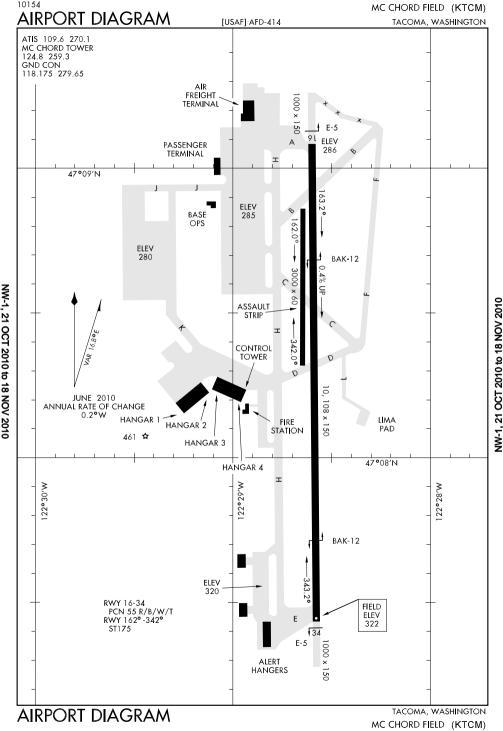












H-1B, L-1D

DIAP. AD

Class I. ARFF Index Ltd.

AF 3 S UTC-8(-7DT)SFATTI F

NOTAM FILE SEA Not insp.

MC CHORD FIELD (JOINT BASE LEWIS-MCCHORD) (TCM)(KTCM) N47°08.26' W122°28.59'

RWY 16-34: H10108X150 (ASPH-CONC-GRVD)

AOE

322 B TPA—See Remarks

RWY 162-342: H3000X60 (ASPH)

PCN 55 R/B/W/T HIRL (NSTD) RWY 16: ALSF1, PAPI(P4L), 0.4% up. RWY 34: ALSF2, TDZL, PAPI(P4R), Rgt tfc.

ARRESTING GEAR/SYSTEM **RWY 16** ← HOOK E5 (240' OVRN) HOOK BAK-12B(B) (2450')

HOOK BAK-12B(B) (1668') HOOK E5 (102' OVRN) →) RWY 34

MILITARY SERVICE: LGT Visual TCH set for height group 3 acft only. Rwy 16-34 center 72' thid lgt removed. PAPI GS not coincidental with ILS GS, AMP-1/AMP-3 Overt/Covert assault strip lights installed in middle 5000' Rwv rgr to connect cable. JASU (MD-3M) 1(MD-3) 1(MA-1A) (AM32A-60) 1(MC-11)

16-34. A-GEAR When Rwy 16-34 activated, apch end E5 is removed. Rwy 16-34 BAK-12B 30 minute prior notice FUEL A1+ FLUID SP PRESAIR De-ice—Expect 3 hr delay. LHOX LOX OIL 0-128-133-148-156 SOAP. SOAP results rgr 24 hr, weekdays (1530-0030Z‡) except holidays, results not avbl other times. Tran acft reg SOAP will arrive with historical engine SOAP data for trend analysis. TRAN ALERT Opr 24 hr. Delays can be expected. Parking limited.

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information, RSTD PPR includes scheduled AMC missions due to limited ramp space, tran acft parking extremely ltd. 24 hr prior coordination req, Base OPS DSN 382-5611, C253-982-5611. All inbound acft must ctc Command Post no later than 30 min prior to ldg. AMC acft opr rstd

during Bird Watch Condition Moderate (tkf and ldg permission only when dep/arr route avoid identified bird activity, no local IFR/VFR tfc pattern activity) and Severe (tkf and ldg prohibited without OG/CC approval), ctc PTD/ATIS/Command Post for current Bird Watch Condition. Tran aircrews conducting local area low-level training missions must receive local procedure/rstd briefing from 62 OSS/OSK at DSN 382-3615, C253-982-3615. CAUTION When performing pre-tkf engine runup, align acft so that debris is not blown toward

ADTAC alert hangar or adjacent acft parking ramp. During VFR conditions, acft making low apch, normal tkf,

touch and go ldg, or missed apch remain at or below 1800' until dep end of the rwy. Bird hazard. South end rwy not visible from official wx station obsn point. When fog/low clouds are present over apch end Rwy 34, condition

report from obsn point may not be representative. IFC PAT Before Idg maintain tfc pattern altitude commensurate with safety as long as practicable. TPA-Rectangular 1800' (1478) overhead 2300'(1978). MISC Aircrews notify PTD anytime they plan to delay in local IFR pattern on separate clearance prior to or departure on filed flt plan.

Base OPS DSN 382-5611, C253-982-5611. South 1000' Rwy 16-34 is concrete, rwy is grvd. Afld wx monitored by the AN/FMQ-19 Automated Observing System and augmented by human observer when wx flt fcst

on duty. DSN 312-382-3434/5005 C 253-982-3434/5005. Opr Wx Squadron 25 OWS, Davis-Monthan AFB. DSN 312-228-6596/6599 C 520-228-6598/6599. Toll free 1-877-451-8367. COMMUNICATIONS: SFA D-ATIS 109.6 270.1 (DSN 382-2847 C 253-982-2847.) PTD 372.2

(R) SEATTLE APP/DEP CON 126.5 377.15 TOWER 124.8 259.3 109.6T GND CON 118.175 279.65 COMD POST 134.1 349.4 (134.1 Commercial contract acft only) PMSV METRO 342.3 PMSV svc avbl only when wx flt fcst on duty. Wx obsn avbl H24 via automated obsn sys. Wx flt fcst on duty normal wing flying hrs and msn

C-17 limiting criteria DSN 253-382-3434, C253-982-3434. During wx flt closures remote briefing svc avbl from 25 Op Wx Flt Squadron DSN 312-228-6598/6599/6588. Unusable 095°-102° byd 34 NM blo 9400'.

VOR unusable 235°-325° byd 10 NM. 0700-1600Z±. ILS 109.9 I-MAR Rwy 16. Back course unusable. No NOTAM MP Wed and Fri 0700-1400Z‡. ILS X 108.5 I-TCM Rwv 34. Back course unusable. Rwy 34 localizer critical area not protected. No

RADIO AIDS TO NAVIGATION: NOTAM FILE TCM. (T) VORTAC 109.6 N47°08.86′ W122°28.50′ TCM Chan 33 at fld. 284/22E. No NOTAM MP Tue, Thu

NOTAM MP Wed and Fri 0700-1400Z±. ILS Y 108.5 I-TCM Rwy 34. NOTAM MP Wed and Fri 0700-1400Z‡.

MEAD FLYING SERVICE (7ØS) 1 N UTC-8(-7DT) N47°47.23' W117°21.49'

NOTAM FILE SEA

RWY 34: Trees

Back course unusable. Rwy 34 localizer critical area not protected. No

AIRPORT REMARKS: Attended continuously. No winter maintenance. COMMUNICATIONS: CTAF 122.9

MEARS FLD

RWY 16-34: H2481X30 (ASPH) RWY 16: Trees.

TPA-2505(600)

(See CONCRETE)

SEATTLE

or above 5800.

NW-1, 21 OCT 2010 to 18 NOV 2010

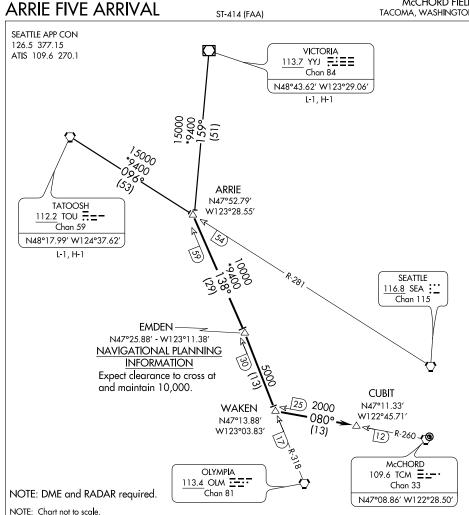
R-6703 OLYMPIA 113.4 OLM -Chan 81 CAUTION: Mountains to 5800 14.411 ft 098° 34 NM from Mc Chord. R-095. **ALDER** ① 2307' from Rwy 34 V DEPARTURE ROUTE DESCRIPTION TAKE-OFF RWY 16: Track heading 160° to TCM VORTAC 6.4 DME, then turn left to intercept the TCM R-151 to ALDER. Cross TCM 6.4 DME at or above 3100, cross ALDER at

TAKE-OFF RWY 34: Climb on track 340° to TCM VORTAC 4 DME. Cross TCM 4 DME at or above 3000, then turn left heading 250° to intercept OLM VORTAC R-010/10 DME (MIRYM)

to OLM VORTAC. Then via V204 (OLM R-095) to ALDER. Cross ALDER at or above 5800. ALDER-NINE DEPARTURE (ALDER9 • ALDER)

TACOMA, WASHINGTON MC CHORD FIELD (KTCM) WW-1, 21 OCT 2010 to 18 NOV 2010

WW-1, 21 OCT 2010 to 18 NOV 2010



TATOOSH TRANSITION (TOU.ARRIE5): From over TOU VORTAC via TOU R-096 to ARRIE DME Fix. Thence. . . .

VICTORIA TRANSITION (YYJ.ARRIE5): From over YYJ VOR/DME via YYJ R-159 to ARRIE DME Fix. Thence. . . .

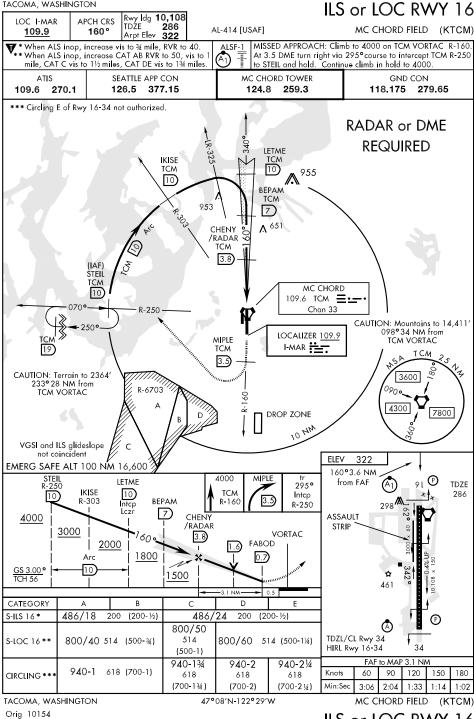
....From over ARRIE DME Fix via OLM R-318 and TCM R-260 to CUBIT DME fix. Expect radar vectors to final approach course.

LOST COMMUNICATIONS: Proceed direct to TCM VORTAC.

BOEING FEED/

ARRIVAL

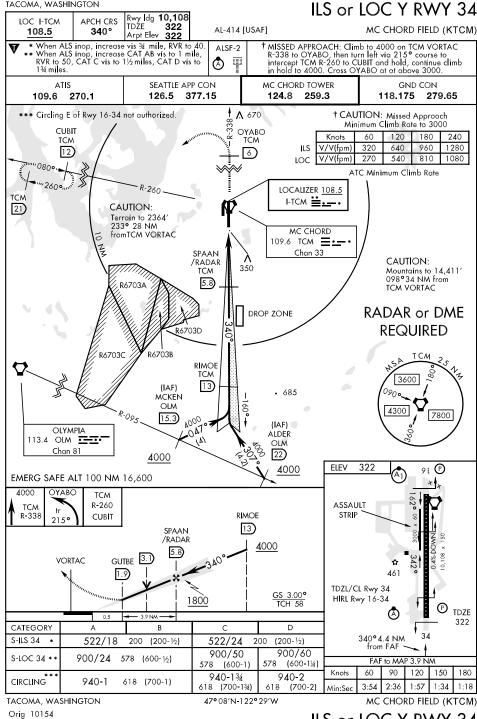
NW-1, 21 OCT 2010 to 18 NOV 2010



RW

NW-1, 21 OCT 2010 to 18 NOV 2010

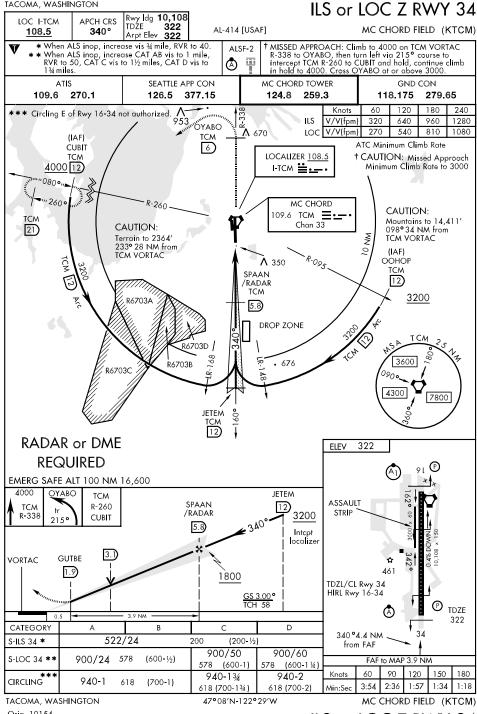
WW-1, 21 OCT 2010 to 18 NOV 2010



WW-1, 21 OCT 2010 to 18 NOV 2010

NW-1, 21 OCT 2010 to 18 NOV 2010

ILS or LOC Y RWY 34

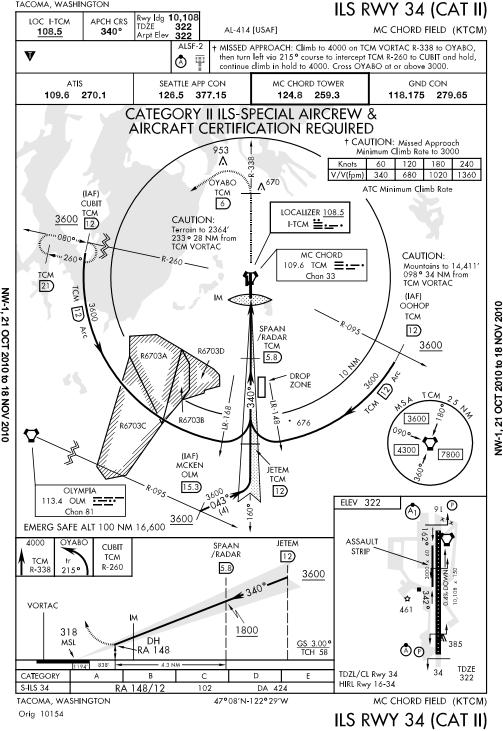


ILS or LOC Z RW

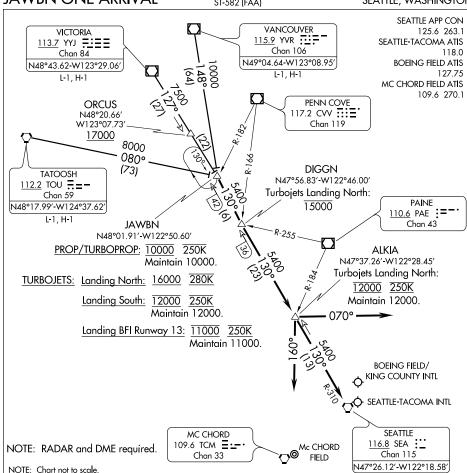
NW-1, 21 OCT 2010 to 18 NOV 2010

TACOMA, WASHINGTON

WW-1, 21 OCT 2010 to 18 NOV 2010



NW-1, 21 OCT 2010 to 18 NOV 2010



TATOOSH TRANSITION (TOU.JAWBN1): From over TOU VORTAC via TOU R-080 to JAWBN INT. Thence....

VANCOUVER TRANSITION (YVR.JAWBN1): From over YVR VORTAC via YVR R-148 to JAWBN INT. Thence....

VICTORIA TRANSITION (YYJ.JAWBN1): From over YYJ VOR/DME via YYJ R-127 to JAWBN INT. Thence....

....From over JAWBN INT/SEA 42 DME via SEA R-310 to DIGGN/SEA 36 DME then via SEA R-310 to ALKIA INT/SEA 13 DME, thence....

LANDING NORTH: Depart ALKIA INT heading 160° for vectors to final approach course. LANDING SOUTH: Depart ALKIA INT heading 070° for vectors to final approach course.

LANDING McCHORD FIELD: After ALKIA INT proceed direct SEA VORTAC.

LOST COMMUNICATIONS: After ALKIA INT proceed direct SEA VORTAC.

GND CON

118.175 279.65

124.8 259.3

126.5 377.15

MC CHORD TOWER

SEATTLE DEP CON



If unable to make published climb gradient advise ATC prior to departure.

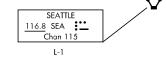
Knots 120 180 240 V/V(fpm) 320 640 960 1280 (mgf)V/V 650 1300 1950 2600 ATC Climb Rate

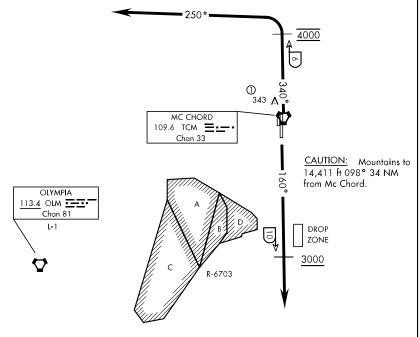
To 10 DME

(b) To 6 DME

RADAR REQUIRED

Maximum 250 KIAS





2270' from Rwy 34

V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 16: Climb on a track of 160°. Cross TCM VORTAC 10 DME at or above 3000. Maintain (assigned altitude). Expect radar vectors within TCM 8 DME after departure.

TAKE-OFF RWY 34: Climb on a track of 340° to TCM VORTAC 6 DME. Cross TCM 6 DME at 4000. Then turn left tracking 250°. Maintain (assigned altitude). Expect radar vectors.

10154 MC CHORD FIELD (KTCM)

PUGET-FIVE DEPARTURE 109.6 270.1 GND CON

118.175 279.65

124.8 259.3

126.5 377.15

MC CHORD TOWER

SEATTLE DEP CON

SL-414 [USAF]

Knots 16 @ V/V(fpm)

320

(a) To 10 DME

640

TACOMA, WASHINGTON

960

ATC Climb Rate

If unable to make published climb gradient advise ATC prior to departure.

RADAR REQUIRED

Maximum 250 KIAS

Radar vectors required within 10 NM after departure

SEATTLE 116.8 SEA Chan 115

L-1

NW-1, 21 OCT 2010 to 18 NOV 2010

2000 1 343 ^ MC CHORD 109.6 TCM = .-CAUTION: Mountains to Chan 33 14,411 ft 098° 34 NM from Mc Chord. DROP ZONE

V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

3000

TAKE-OFF RWY 16: Climb on a track of 160° to TCM VORTAC 10 DME, then turn left tracking 020°. Cross TCM 10 DME at or above 3000. Maintain (assigned altitude). Expect radar vectors.

TAKE-OFF RWY 34: Climb on a track of 340° to 2000. Then turn right, tracking 140°. Maintain (assigned altitude). Expect radar vectors.

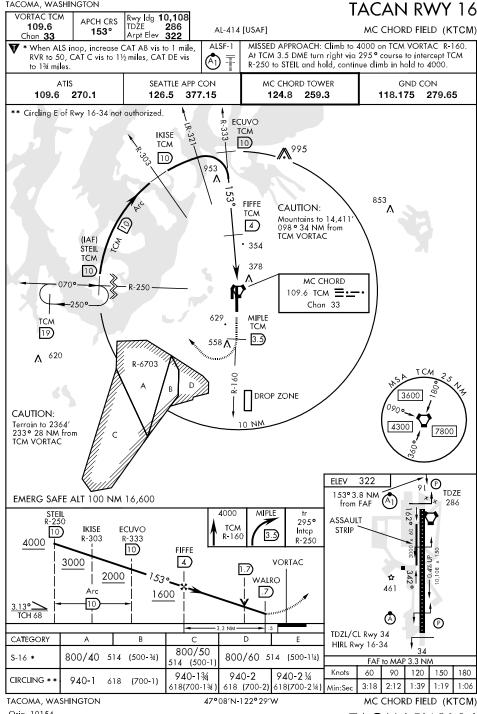
R-6703

PUGET-FIVE DEPARTURE

OLYMPIA 113.4 OLM .____ Chan 81

> TACOMA, WASHINGTON MC CHORD FIELD (KTCM)

(1) 2270' from Rwy 34



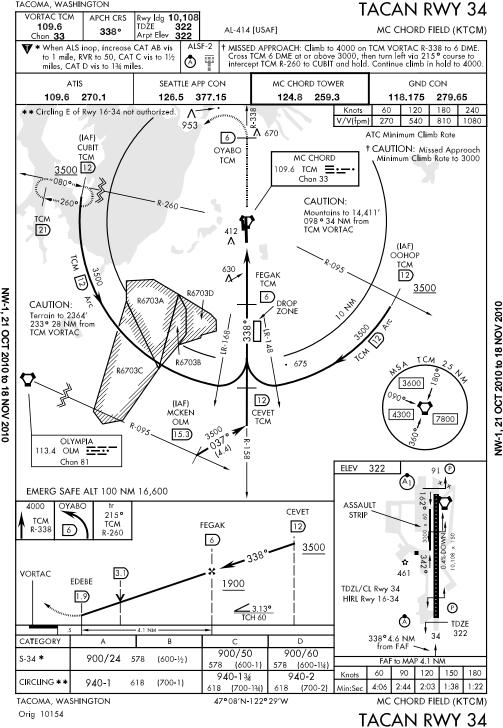
Orig 10154

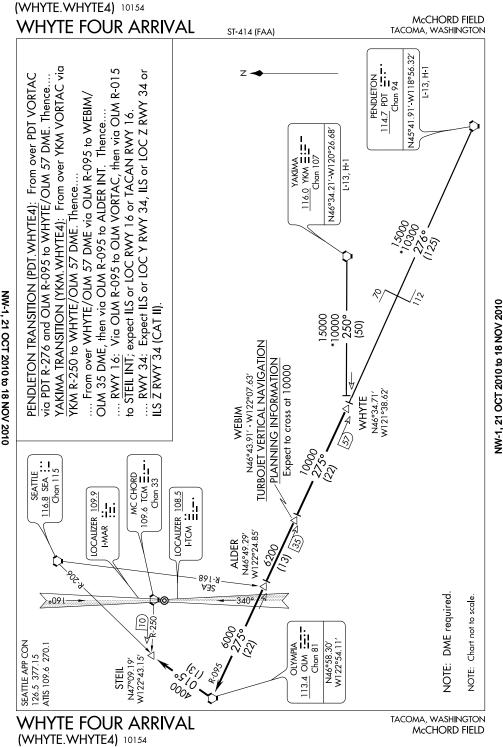
NW-1, 21 OCT 2010 to 18 NOV 2010

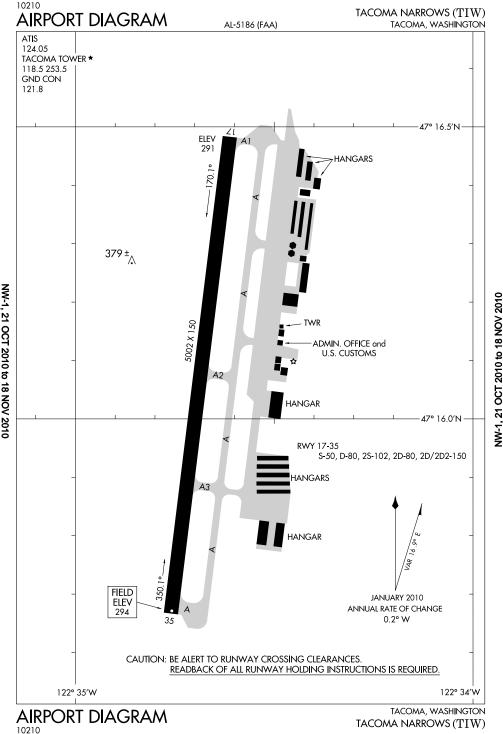
TACOMA, WASHINGTON

TACAN RW

NW-1, 21 OCT 2010 to 18 NOV 2010







186 WASHINGTON

TACOMA NARROWS (TIW) 4 W UTC-8(-7DT) N47°16.08′ W122°34.69′ S4 FUEL 100LL, JET A OX 4 TPA-1294(1000) LRA NOTAM FILE TIW H-1B. L-1D RWY 17-35: H5002X150 (ASPH-AFSC) S-50, D-80, 2S-102, 2D-80, 2D/2D2—150 IAP. AD RWY 17: MALSR, PAPI(P4R)—GA 3.0°, TCH 50', Rgt tfc. CT CT RWY 35: REIL, VASI(V4L)-GA 3.0° TCH 51', Rgt tfc. 03 03 AIRPORT REMARKS: Attended 1500-0600Z±. Deer on and in vicinity of arpt. Noise sensitive arpt, for noise abatement and tfc procedures call arpt manager 253-853-5844, ACTIVATE MALSR Rwv 17 and PAPI Rwy 17—CTAF. For customs call 253-593-6338 ext #2. Landing fee.

WEATHER DATA SOURCES: ASOS (253) 858-6507, LAWRS

COMMUNICATIONS: CTAF 118.5 ATIS 124.05 UNICOM 122.95 R SEATTLE APP/DEP CON 120.1

TOWER 118.5 (1600-0400Z±) **GND CON 121.8** AIRSPACE: CLASS D svc 1600-0400Z± other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE TCM. McCHORD (T) VORTAC 109.6 TCM Chan 33 N47°08.26'

W122°28.59' 310° 8.9 NM to fld. 284/22E. No NOTAM MP Tue. Thu 0700-1600Z±. GRAYE NDB (MHW) 216 GRF N47°08.99' W122°36.27'

7.2 NM to fld. NOTAM FILE SEA. Unmonitored when ATCT closed ILS 109.1 I-TIW Rwy 17. Class IA. ILS unmonitored when twr clsd.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

TATOOSH N48°17.99' W124°37.62'. NOTAM FILE SEA.

(H) VORTACW 112.2 TOU Chan 59 151° 21.9 NM to Quillayute. 1652/22E. HIWAS.

RCO 122.25 (SEATTLE RADIO) **TEKOA**

WILLARD FLD (73S) 2 NE UTC-8(-7DT) N47°14.13′ W117°02.63′ 2520 B NOTAM FILE SEA FUEL 100LL MIRI

RWY 04-22: H2261X40 (ASPH) RWY 22: Thid dsplcd 240'. Road. RWY 04: Thid dspicd 190'. Tree. AIRPORT REMARKS: Unattended. Self service fuel with credit card. Parachute Jumping. Grass areas not avbl for acft

ops. ACTIVATE MIRL Rwv 04-22-122.8. **COMMUNICATIONS: CTAF 122.9**

TIETON STATE

TOLEDO

ED CARLSON MEMORIAL FLD-SOUTH LEWIS CO (TDO) 3 N UTC-8(-7DT)

Rwy 23 opr 24 hrs.

N46°28.63' W122°48.39'

374 B S4 **FUEL** 100 NOTAM FILE TDO RWY 05-23: H4479X150 (ASPH) S-25 MIRI

(See RIMROCK)

RWY 05: REIL. SAVASI(S2L)-GA 3.0° TCH 40'. Windcone. RWY 23: REIL, PAPI(P2L)—GA 3.0° TCH 40', Fence.

AIRPORT REMARKS: Unattended, 24 hr credit card fuel facility, Parachute

Jumping. Radio controlled acft adjacent Rwy 05-23 400' and blo.

Distance to go markers S side of rwy. ACTIVATE MIRL Rwy 05-23 and REIL Rwy 05 and Rwy 23-CTAF, SAVASI Rwy 05 and PAPI

COMMUNICATIONS: CTAF 122.9 SEATTLE CENTER APP/DEP CON 124 2

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM. OLYMPIA (H) VORTACW 113.4 OLM

Chan 81

N46°58 30'

W122°54.11' 153° 29.9 NM to fld. 200/19E. HIWAS.

SEATTLE H-1B, L-1D SEATTLE

C3 C3

SEATTLE

L-1C

TACOMA, WASHINGTON 5002 Rwy Idg LOC I-TIW APP CRS 292 TDŹE 109.1 167° 292 Apt Elev

ILS RWY 17

TACOMA NARROWS (TIW) 🔻 When control tower closed, obtain local altimeter setting on UNICOM, MALSR MISSED APPROACH: Climb to 1500, then when not received, use McChord Field altimeter setting minimums. climbing right turn to 2000 via heading 290° and SEA VORTAC R-227 to SCENN INT and hold. Circling not authorized East of Rwy 17-35. ATIS SEATTLE APP CON TACOMA TOWER★ GND CON **UNICOM** 124.05 121.8 120.1 290.9 118.5 (CTAF) 0 253.5 122.95 ↑ 2395 347 SEATTLE 116.8 SEA Chan 115 2000 227 111.31 R-227 (IAF) SCENN OM/INT 513/ SEA 25 Ny Λ₉₅₃ **Λ**₅₁₆ ARRAMAN AND THE 3400 **∧**710 6400 LOCALIZER 109. 2200 I-TIW 292 **ELEV** 167° 5 NM 1500 2000 SCENN from FAF **SEA** SCENN OM/INT Remain hdg R-227 INT within 10 NM TDZE ∠I 290 292 1964 2000 5002 X 150 GS 3.00° 2000 **355** TCH 52 **☆** 344 CATEGORY Α D S-ILS 17 492-1/2 200 (200-1/2) 760-34 760-1 S-LOC 17 760-1/2 468 (500-1/2) 468 (500-34) 468 (500-1) 860-2 760-1½ **CIRCLING** 760-1 468 (500-1) 468 (500-11/2) 568 (600-2) McCHORD FIELD ALTIMETER SETTING MINIMUMS MIRL Rwy 17-35 S-ILS 17 517-1/2 225 (300-1/2) 35

TACOMA, WASHINGTON

FAF to MAP 5 NM

3:20 2:30

REIL Rwy 35

2:00

1:40

S-LOC 17

CIRCLING

Min:Sec 5:00 Amdt 8A 10154

Knots 60 90 120 150 180

NW-1, 21 OCT 2010 to 18 NOV 2010

TACOMA NARROWS (TIW) ILS RWY 1*7*

780-34

488 (500-34)

780-11/2

488 (500-11/2)

780-1

488 (500-1)

860-2

568 (600-2)

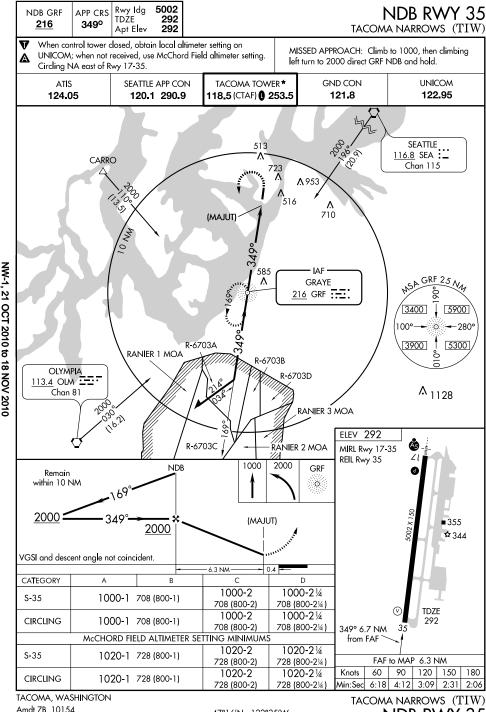
47°16′N - 122°35′W

780-1/2

780-1

488 (500-1/2)

488 (500-1)

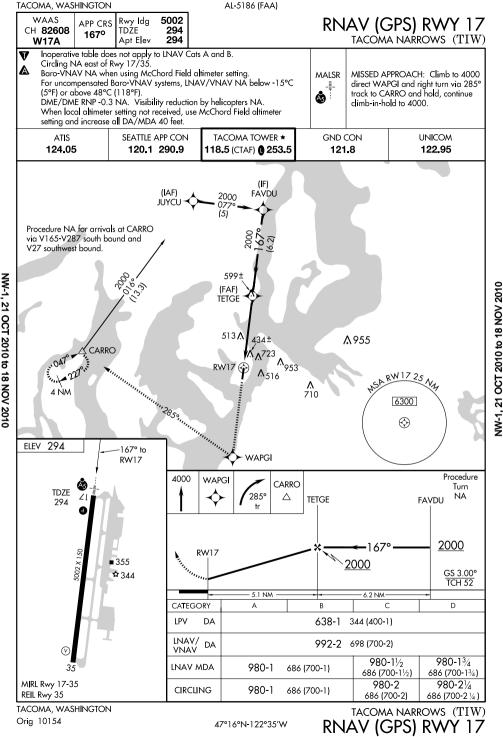


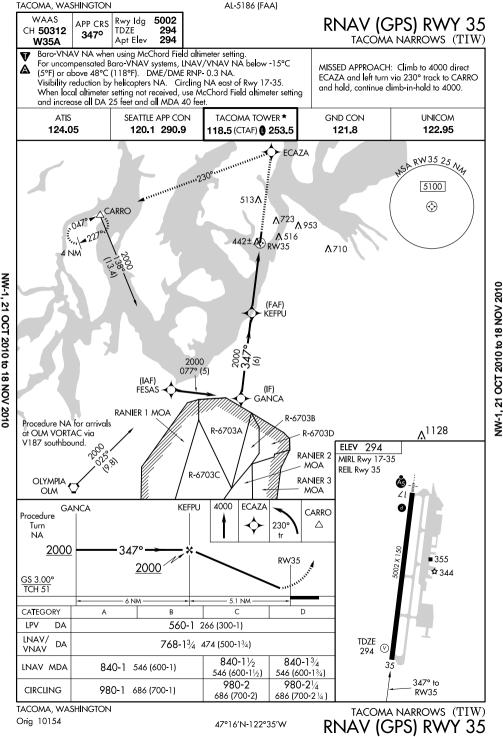
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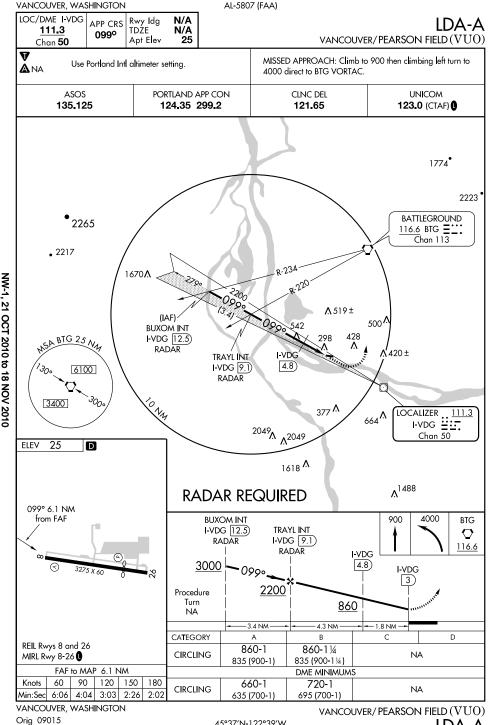
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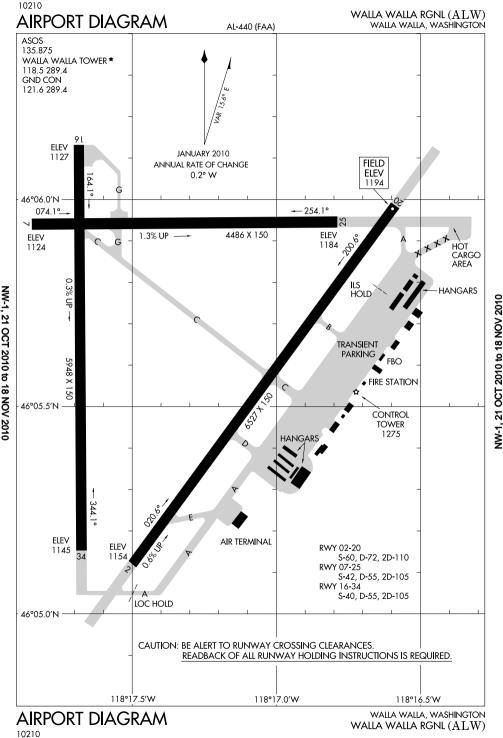
TACOMA, WASHINGTON

RWY 35 NDB









SEATTLE

SEATTLE

H-1C. L-13A

WASHINGTON

WALLA WALLA PAGE (9W2) 2 S UTC-8(-7DT) N46°00.99' W118°22.23'

NOTAM FILE SEA

RWY 09: Hill. Rgt tfc. AIRPORT REMARKS: Unattended. COMMUNICATIONS: CTAF 122.9

RWY 09-27: 2000X25 (TURF)

(ALW) 3 NE UTC-8(-7DT) N46°05.69' W118°17.34'

RWY 27. P-line

WALLA WALLA RGNL S4 FUEL 100LL, JET A OX 2 Class I, ARFF Index A NOTAM FILE ALW **RWY 02-20**: H6527X150 (ASPH-GRVD) S-60, D-72, 2D-110

RWY 02: REIL, PAPI(P4L)—GA 3.0° TCH 45'. RWY 20: MALSR, PAPI(P4L)—GA 3.0° TCH 50'. RWY 16-34: H5948X150 (ASPH-CONC) S-40, D-55,

2D-105 0.3% up SE RWY 16: Ground.

RWY 07-25: H4486X150 (ASPH-CONC) S-42, D-55, 2D-105 1.3% up E. AIRPORT REMARKS: Attended 1430-0300Z±. Self svc credit card fueling

facility located 600' N of tower. For svc after hours call 509-529-4243. ARFF services avbl during scheduled air carrier opr. CLOSED to unscheduled air carrier ops with more than 30

1194

CLOSED to scheduled air carrier opr. Rwv 07-25 large cracks and surface variations may impair directional control. Rwy 16-34 large cracks and surface variations. When twr clsd ACTIVATE MALSR Rwy 20, REIL Rwy 02, HIRL Rwy 02-20 and PAPI Rwy 02 and Rwy

20-CTAF.

COMMUNICATIONS: CTAF 118.5 RCO 122.3 (SEATTLE RADIO) (R) CHINOOK APP/DEP CON 133.15 (1400-0600Z±).

R SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z‡). TOWER 118.5 (1430-0300Z‡) AIRSPACE: CLASS D svc 1430-0300Z tother times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE ALW.

WEATHER DATA SOURCES: ASOS 135.875 (509) 525-3014.

Rwv 07-25 CLOSED to scheduled air carrier opr. Rwv 16-34

(L) VORW/DME 116.4 ALW Chan 111 N46°05.22' W118°17.55' at fld. 1179/20E. VOR/DME portions unusable: 010°-065° bvd 31 NM blo 12.500'

065°-095° byd 20 NM blo 14,500'

DME portion unusable: 140°-145° byd 20 NM blo 11,500' AL N46°10.53′ W118°11.78′ TRINA NDB (LOM) 353 199° 6.2 NM to fld.

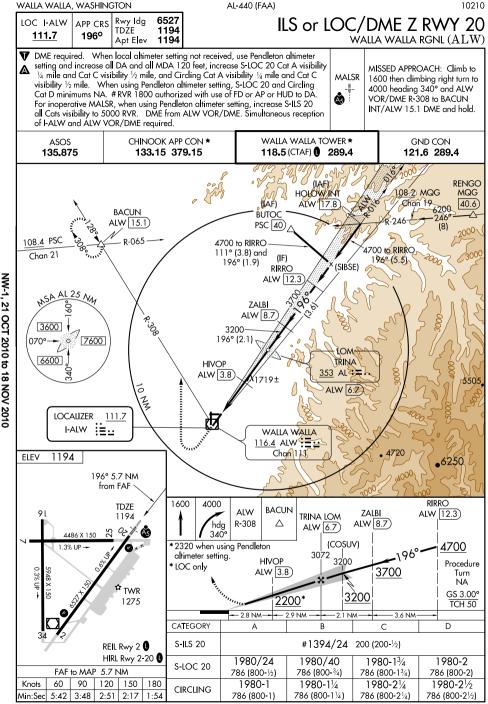
GND CON 121.6

IIS 111 7 I-ALW Rwv 20. Class IE. LOM TRINA NDB. COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

HIRL 0.6% up NE IAP, AD 9١ 4486 X 150 948 X 150 passenger seats except PPR call arpt manager 509-525-3100.

095°-140° byd 20 NM blo 13,500′

WALLULA N46°01.36′ W118°51.52′ RCO 122 6 (MC MINNVILLE RADIO)



WALLA WALLA, WASHINGTON

46°06'N - 118°17'W

WALLA WALLA RGNL (ALW)

WALLA WALLA, WASHINGTON AL-440 (FAA) 10210 6527 ILS or LOC Y RWY 20 Rwy Idg LOC I-ALW APP CRS 1194 TDŹE 111,7 196° WALLA WALLA RGNL (ALW)1194 Apt Elev When local altimeter setting not received, use Pendleton altimeter setting and increase all DA and all MDA 120 feet. Increase HIVOP DME fix S-LOC 20 MISSED APPROACH: Climb to \triangle Cat A visibility ¼ mile, Cat C visibility ½ mile, and Circling Cat A visibility ¼ mile MALSR 1600 then climbing right turn to and Cat C visibility ½ mile. Cat D NA when using Pendleton altimeter setting. 4000 heading 340° and ALW #RVR 1800 authorized with use of FD or AP or HUD to DA. For inoperative MALSR, VOR/DME R-308 to BACUN INT/ when using Pendleton altimeter setting increase S-ILS 20 all Cats visibility $\frac{1}{2}$ mile. ALW 15.1 DME and hold. Inoperative table does not apply to S-LOC 20 Cat A visibility when using Pendleton altimeter setting. CHINOOK APP CON ★ Walla Walla Tower * ASOS GND CON 135,875 133.15 379.15 118.5 (CTAF) (289.4 121.6 289.4 Procedure NA for arrivals at RENGO on (IAF) V536 and V187 northeast bound. **RENGO** MQG //108.2 MQG 40.6 Chan 19 6200 NoF **BACUN** 246 ALW [15.1] DATES (8) 108.4 PSC R-065 (IF) HOLOW INT Chan 21 4900 161° (8.5) ALW 17.8) 3200 86° (11 LOM/IAF AL 25 M TRINA 353 AL :=.. R.300 3600 ALW (6.7) 7600 6600 5200 to LOM 1939± 017° (6.7) (1719± 5505 HIVOP ALW 3.8 LOCALIZER 111.7 7 I-ALW :=.. WALLA WALLA 116.4 ALW

WW-1, 21 OCT 2010 to 18 NOV 2010

NW-1, 21 OCT 2010 to 18 NOV 2010 Chan 1 1 6250 **ELEV 1194** TRINA LOM 1600 4000 196° 5.7 NM **BACUN** ALW Remain ALW [6.7] from FAF within 10 NM R-308 Δ hdg <u>6000</u> 340 **TDZE** 9١ (COSUV) * LOC only 1194 3800 **HIVOP** 3072 * 2320 when using 3200 ALW 3.8 Pendleton altimeter setting. 1.3% UP 3200 GS 3.00° 2200* TCH 50 0.3% UP → 5948 X 150 2.8 NM-2.9 NM -**TWR** CATEGORY Α 1275 S-ILS 20 200 (200-1/2) #1394/24 2200/40 2200/50 S-LOC 20 2200-2½ 1006 (1100-2½) 1006 (1100-3/4) 1006 (1100-1) 2200-11/4 2200-11/2 2200-3 1006 (1100-3) CIRCLING 1006 (1100-11/4) 1006 (1100-11/2) REIL Rwy 2 HIVOP DME FIX MINIMUMS HIRL Rwy 2-20 U 1980/24 1980/40 1980-13/4 1980-2

WALLA WALLA, WASHINGTON

5:42 3:48 2:51 2:17 1:54

Knots 60 90 120 150 180

Min:Sec

FAF to MAP 5.7 NM

786 (800-11/4) 786 (800-21/4) 786 (800-21/2) 786 (800-1) WALLA WALLA RGNL (ALW) Amdt 9 29JUL10 46°06'N - 118°17'W ILS or LOC

786 (800-1/2)

1980-1

786 (800-3₄)

1980-11/4

786 (800-134)

1980-21/4

786 (800-2)

1980-21/2

S-LOC 20

CIRCLING

46°06'N-118°17'W

Α

NW-1, 21 OCT 2010 to 18 NOV 2010

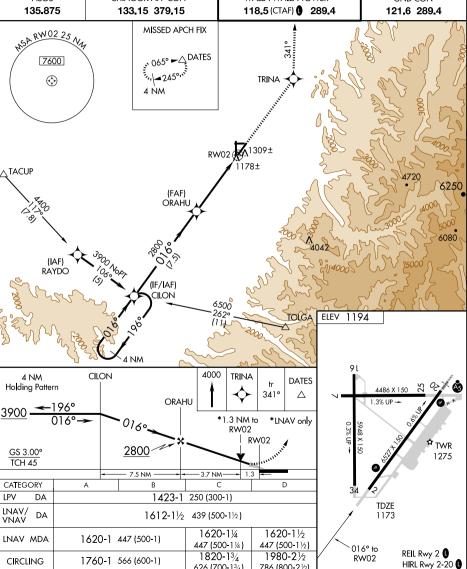
above 46°C (114°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to When local altimeter setting not received, use Pendletion altimeter setting and increase 4000 direct TRINA and via 341°

WW-1, 21 OCT 2010 to 18 NOV 2010

all DAs/MDAs 120 feet and LPV visibilities ¼ mile, LNAV/VNAV visibilities ½ mile, LNAV Cats C/D visibility 1/4 mile, and Circling Cat C/D visibility 1/2 mile. VDP and Baro-VNAV NA when using Pendleton altimeter setting. CHINOOK APP CON ★ WALLA WALLA TOWER * ASOS

track to DATES and hold. GND CON 135.875 133.15 379.15 118.5 (CTAF) 0 289.4 121.6 289.4



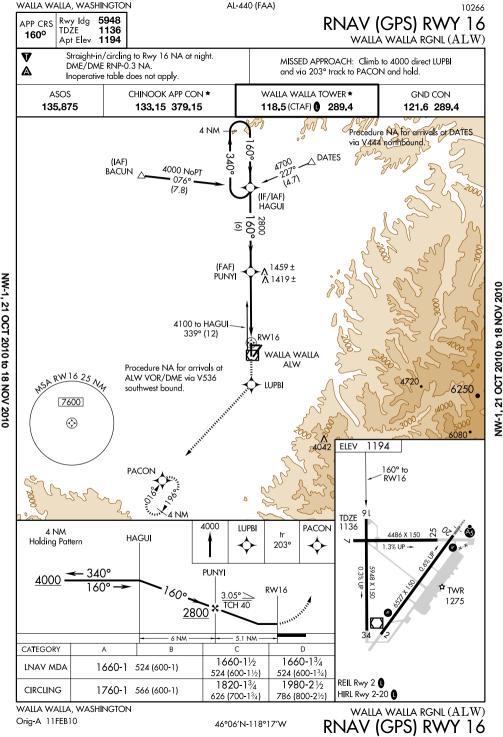
WALLA WALLA, WASHINGTON

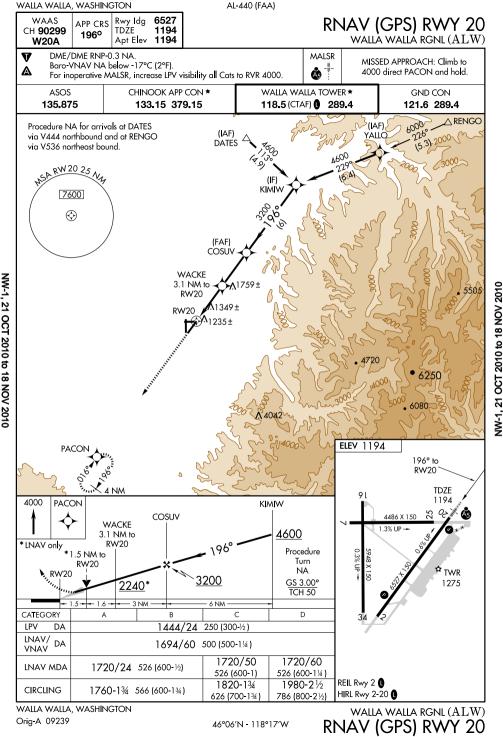
Amdt 1 10266

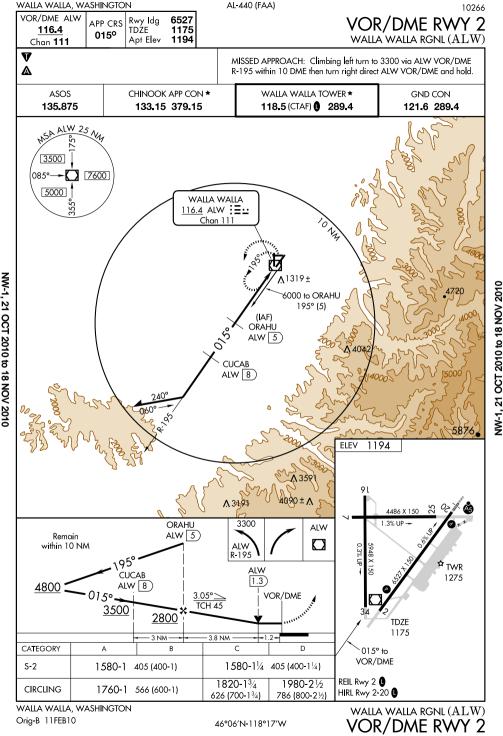
WALLA WALLA RGNL (ALW)RNAV (GPS) RWY 2

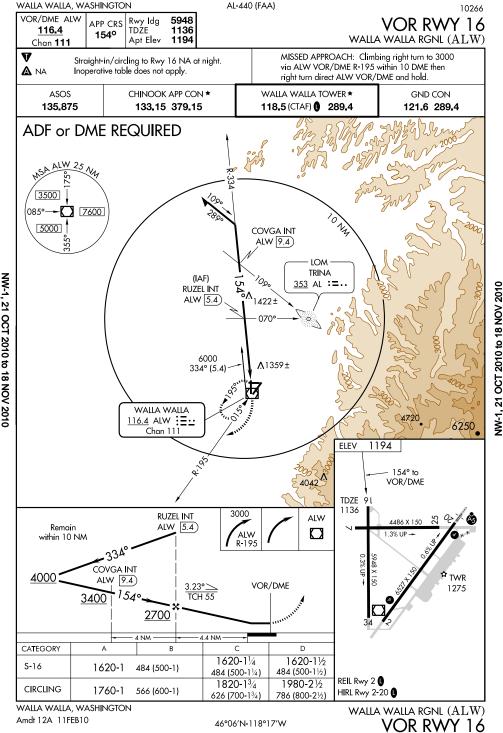
786 (800-21/2)

626 (700-13/4)









WALLA WALLA GND CON 121.6 289.4
WALLA WALLA TOWER * 118.5 (CTAF) 289.4 CHINOOK APP CON ★ 133.15 379.15 MOSES LAKE **SPOKANE** 115.0 MWH :... 115.5 GEG Chan 97 N47°12.65′-W119°19.01′ N47°33.90′-W117°37.61′ L-13. H-1 L-13. H-1 PULLMAN 109 0 PUW :--Chan 27 N46°40.46'-W117°13.41 L-13, H-1 YAKIMA 116.0 YKM =:= **NEZ PERCE** N46°34.22′-W120°26.68′ PASCO 108.2 MQG ==:-Chan 19 L-13, H-1 108.4 PSC ::: Chan 21 N46°22.89′-W116°52.17′ N46°15.78′-W119°06.94′ L-13 L-13 WALLA WALLA 116.4 ALW :=. N46°05.22′-W118°17.55′ L-13 PENDLETON 114.7 PDT =--Chan 94 N45°41.91′-W118°56.32′ L-13, H-1 NOTE: Chart not to scale. V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF ALL RUNWAYS: Climb via specified turn and heading for vector to assigned route.

LOST COMMUNICATIONS: If not in contact with Departure Control after reaching 2500' continue climb to assigned altitude and proceed direct to

ALW VOR/DME, thence via assigned route.

Note: Air Traffic Control may assign turns and magnetic headings of 195° clockwise through 020° in the initial clearance.

NOTAM FILE EAT

MIRL

WASHINGTON

WENATCHEE

PANGBORN MEM (EAT) 4 E UTC-8(-7DT) N47°23.89' W120°12.34' S4 FUEL 100LL, JET A OX 1, 2 Class I, ARFF Index B 1249 B RWY 12-30: H5700X150 (ASPH-GRVD) S-75, D-100, 2S-97, 2D-250

RWY 12: REIL, PAPI(P4L)-GA 3.6° TCH 50', Road, Rgt tfc. RWY 30: RAIL, REIL. PAPI(P2L)-GA 4.3° TCH 45'. RWY 07-25: H4460X75 (ASPH) S-50, D-77, 2S-97, 2D-136

1.0% up SE RWY 07: Tree. Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 07: TORA-4460 TODA-4460 ASDA-4460 LDA-4460 RWY 12: TORA-5700 TODA-5700 ASDA-5700 LDA-5700

RWY 25: TORA-4460 TODA-4460 ASDA-4460 LDA-4460

RWY 30-TORA-5700 TODA-5700 ASDA-5700 LDA-5700 AIRPORT REMARKS: Attended continuously. Rwy 07-25 CLOSED to all

night operations. CLOSED to air carrier operations. Rwy 07-25 has extensive cracks, vegetation, and surface deterioration, Rwy 12 preferred no wind rwy. 24 hr PPR for unscheduled air carrier operations with more than 30 passenger seats call arpt ops.

509-860-1852. Bird hazard, Glider activity from Mar-Nov.

Reflectors on Twys D and F only. ACTIVATE MIRL Rwy 12-30, REIL Rwv 12 and Rwv 30-CTAF, PAPI Rwv 12 and Rwv 30 opr continuously.

WEATHER DATA SOURCES: ASOS 119.925 (509) 886-4226.

HIWAS 111.0 EAT. COMMUNICATIONS: CTAF/UNICOM 123.0

BADGER MOUNTAIN RCO 122.3 (SEATTLE RADIO) WENATCHEE RCO 122.6 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 126.1 RADIO AIDS TO NAVIGATION: NOTAM FILE EAT.

DME unmonitored. ILS/DME 109.35 I-ADJ Chan 30(Y) Rwy 12, LOC unusable byd 15 NM blo 5700'.

COMM/NAV/WEATHER REMARKS: HIWAS unavailable

WESTPORT (14S) 1 N 14 NOTAM FILE SEA

RWY 12-30: H2318X50 (ASPH) MIRL

RWY 12: VASI(V2L).

WHATCOM N48°56.72′ W122°34.76′

(H) VORTACW 113.0 HUH Chan 77

WHIDBEY AIR PARK (See LANGLEY)

RWY 30: VASI(V2L). Rgt tfc.

COMMUNICATIONS: CTAF 122 9

AIRPORT REMARKS: Unattended. Large bird nesting area adjacent to Rwy 12-30. Rwy 12-30 soft shoulders.

NOTAM FILE BLI

150° 9.3 NM to Bellingham Intl. 83/20E

UTC-8(-7DT) N46°53.82' W124°06.05'

WENATCHEE (L) VORW/DME 111.0 EAT Chan 47 N47°23.98′ W120°12.65′

HIWAS

at fld. 1224/19E. HIWAS.

SFATTLE

SFATTLE

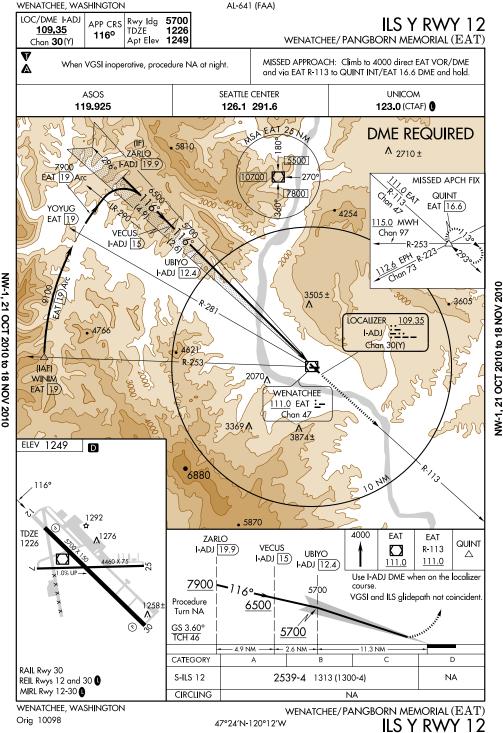
H-1B, L-1E

*(*3

SFATTLE IAP

H-1C, L-1D, 13A

шп

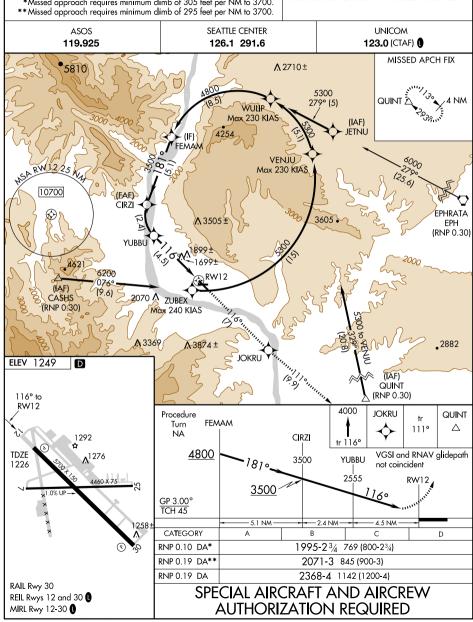


Rwy Ida 5700 APP CRS 1226 TDŹE 116° 1249 Apt Elev

RNAV (RNP) RWY 12 WENATCHEE/PANGBORN MEMORIAL (EAT)

V RF and GPS required. For uncompensated Baro-VNAV systems, procedure NA below -17°C (2°F) or above 46°C (114°F). *Missed approach requires minimum climb of 305 feet per NM to 3700.

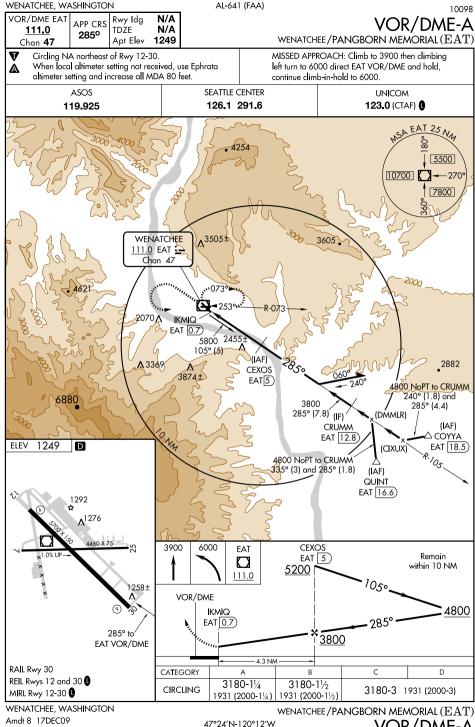
MISSED APPROACH: Climb to 4000 via track 116° to JOKRU and via track 111° to QUINT and hold.

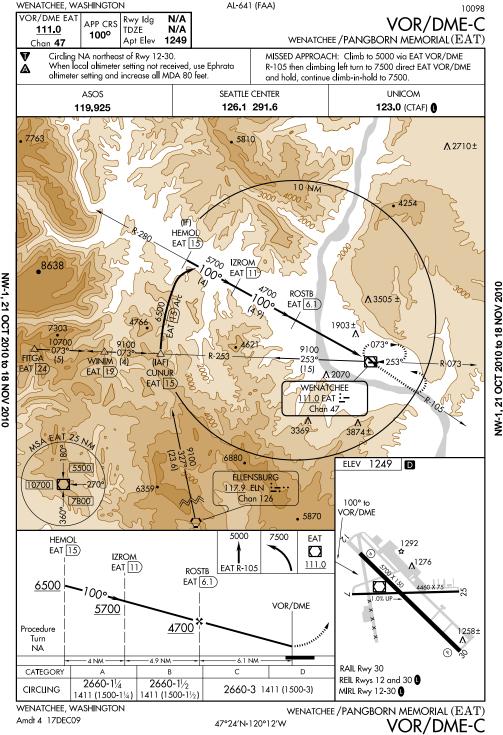


WENATCHEE, WASHINGTON Orig 29JUL10

NW-1, 21 OCT 2010 to 18 NOV 2010

WENATCHEE/PANGBORN MEMORIAL (EAT)RNAV (RNP) RWY 12





10210

194 WASHINGTON

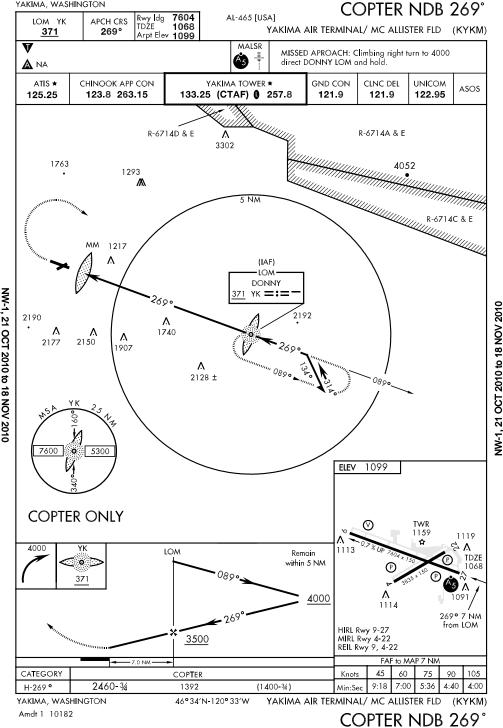
YAKIMA AIR TERMINAL/MCALLISTER FLD

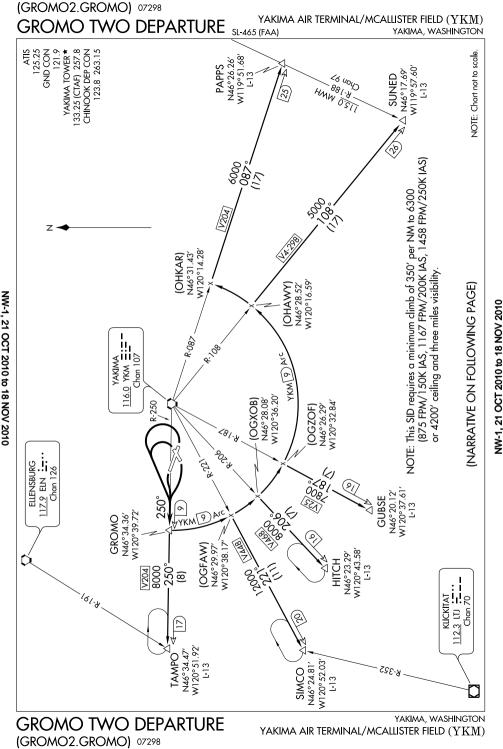
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N46°34.09' W120°32.64'
                                                                                             H-1C, L-13A
1099 B S4 FUEL 100LL, JET A OX 1, 3 Class I, ARFF Index A NOTAM FILE YKM
                                                                                            IAP. DIAP. AD
                                  S-95, D-160, 2S-175, 2D-220, 2D/2D2-550 PCN 33 F/C/X/T
RWY 09-27: H7604X150 (ASPH-PFC)
  HIRL 0.7% up W
  RWY 09: REIL, VASI(V4L)—GA 3.0° TCH 50'.
                                               RWY 27: MALSR, PAPI(P4L)—GA 3.0° TCH 59', Road.
RWY 04-22: H3835X150 (ASPH-PFC) S-70, D-80, 2S-102, 2D-120 PCN 28 F/C/X/T MIRL 0.5% up SW
  RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 50'.
                                              RWY 22: REIL. PAPI(P4L)—GA 3.03° TCH 47'.
RUNWAY DECLARED DISTANCE INFORMATION
  RWY 04: TORA-3835 TODA-3835 ASDA-3835
                                                 LDA-3835
  RWY 09: TORA-7604 TODA-7604 ASDA-7604
                                                 LDA-7604
  RWY 22: TORA-3835 TODA-3835 ASDA-3835
                                                 LDA-3835
  RWY 27: TORA-7604 TODA-7604 ASDA-7604 LDA-7604
AIRPORT REMARKS: Attended continuously. Be alert: Birds invof Yakima River 5 NM east of approach to Rwy 27. Rwy
 04-22 some spalling and rayeling, PPR for unscheduled air carrier ops with more than 30 passenger seats, call
  arpt manger 509-575-6149/6014. Twy B from approach end of Rwy 22 to Twy A rstd to acft with wingspans 79'
 or less. When twr clsd ACTIVATE HIRL Rwv 09-27 and MALSR Rwv 27-CTAF.
WEATHER DATA SOURCES: ASOS (509) 248-1502.
COMMUNICATIONS: CTAF 133.25 ATIS 125.25 UNICOM 122.95
  RCO 122.5 (SEATTLE RADIO)
 CHINOOK APP/DEP CON 123.8 263.15 (1400-0600Z±)
                                                    SEATTLE CENTER APP/DEP CON 132.6 269.35 (0600-1400Z±)
  TOWER 133.25 (1400-0600Z±)
                                GND CON 121.9 CLNC DEL 121.9
AIRSPACE: CLASS D svc 1400-0600Z± other times CLASS E.
RADIO AIDS TO NAVIGATION: NOTAM FILE YKM
 (H) VORTACW 116.0 YKM
                            Chan 107 N46°34.21′ W120°26.68′
                                                                  247° 4.1 NM to fld. 984/21E.
   VOR portion unusable:
     350°-080° bvd 25 NM blo 9.000'
                                                             109°-135° bvd 25 NM bl0 6.000'
                                                             135°-180° byd 30 NM blo 7,500′
     025°-035° byd 5 NM blo 6,000'
     080°-105° byd 35 NM blo 6,000'
                                                              195°-225° byd 30 NM blo 8,500′
     105°-107° byd 25 NM blo 6,000'
                                                              305°-335° bvd 30 NM blo 9.000'
   DMF unusable:
     095°-115° byd 26 NM blo 8,000'
                                                              207°-230° bvd 20 NM bl0 10.000′
                                                             290°-315° byd 20 NM blo 11,000′
     095°-115° byd 35 NM
                                                              315°-080° byd 12 NM blo 15,000'
     115°-207° byd 20 NM blo 8,500′
     115°-207° bvd 36 NM blo 10.000'
  DONNY NDB (LOM) 371
                    YK N46°31.54′ W120°22.33′ 274° 7.6 NM to fld. Unmonitored when twr clsd.
  ILS 110.1 I-YKM
                      Rwy 27. LOM DONNY NDB. ILS unmonitored when tower closed.
  COMM/NAV/WEATHER REMARKS: During hours twr is clsd all ops in vicinity of arpt restricted to acft with VHF radio
```

capability, unless an emerg exist necessitating UHF equipped acft to land.

(YKM)(KYKM) P 3 S UTC-8(-7DT)

SFATTLE





YAKIMA AIR TERMINAL/MCALLISTER FIELD (YKM)YAKIMA, WASHINGTON

V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 4, 9: Turn left, thence....

TAKE-OFF RUNWAY 22: Turn right, thence....

TAKE-OFF RUNWAY 27: Climb runway heading, thence....

....Intercept and proceed via YKM R-250 to the GROMO DME Fix (YKM R-250/9), thence via (assigned transition).

GUBSE TRANSITION (GROMO2.GUBSE): From over GROMO DME Fix via 9 DME Arc

and V25 to GUBSE DME Fix. HITCH TRANSITION (GROMO2.HITCH): From over GROMO DME Fix via 9 DME Arc

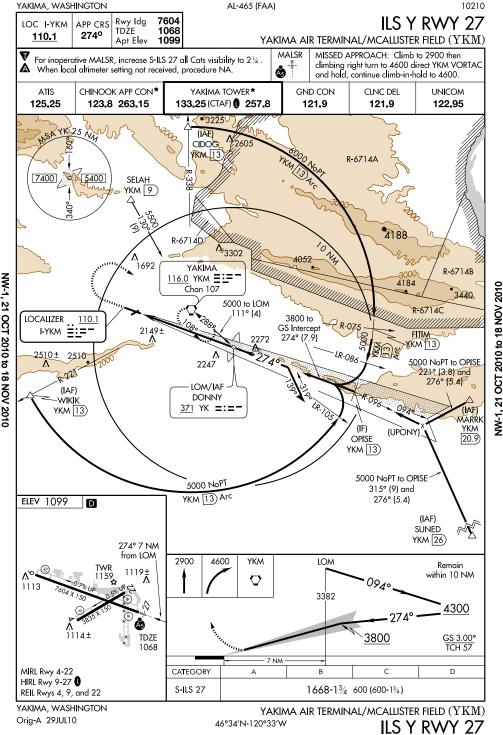
and V468 to HITCH DME Fix. NOTE: Climb in holding pattern NE of HITCH DME Fix, right turns, 206° inbound to 8000 feet before proceeding on course. PAPPS TRANSITION (GROMO2.PAPPS): From over GROMO DME Fix via 9 DME Arc

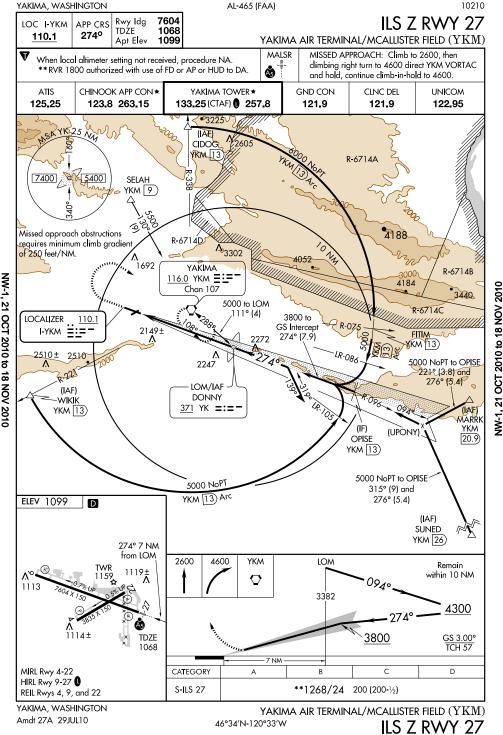
and V204 to PAPPS INT.

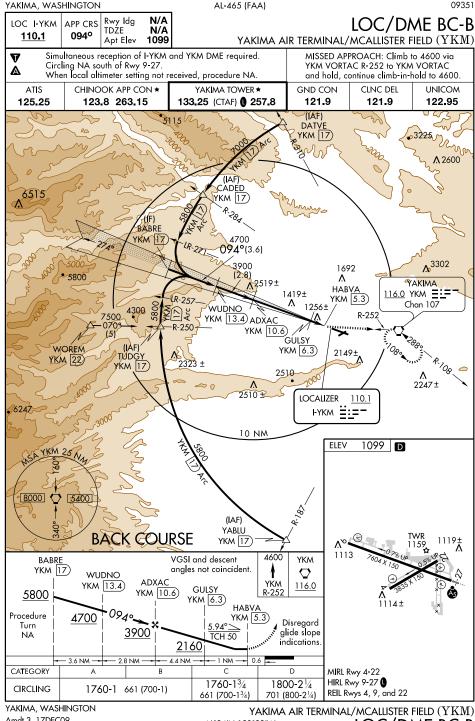
SIMCO TRANSITION (GROMO2.SIMCO): From over GROMO DME Fix via 9 DME Arc and V448 to SIMCO INT. NOTE: Climb in holding pattern NE of SIMCO INT, right turns, 221° inbound to 12000 feet before proceeding on course.

SUNED TRANSITION (GROMO2.SUNED): From over GROMO DME Fix via 9 DME Arc and V4-298 to SUNED INT.

TAMPO TRANSITION (GROMO2.TAMPO): From over GROMO DME Fix via V204 to TAMPO INT. NOTE: Climb in holding pattern east of TAMPO INT, right turns, 250° inbound to 8000' before proceeding on course.

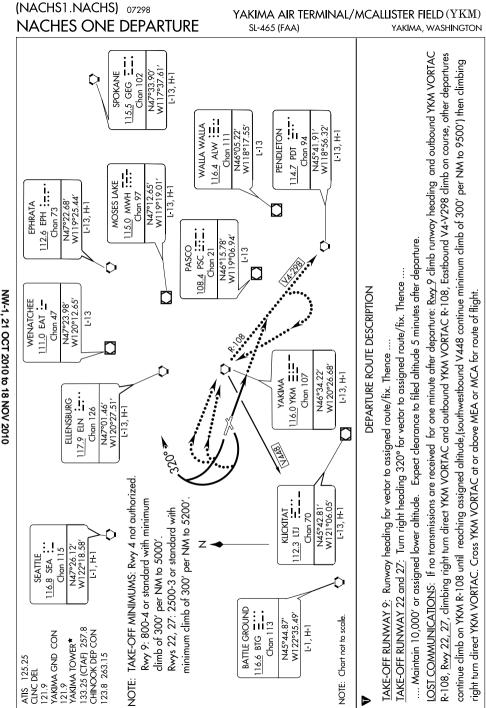




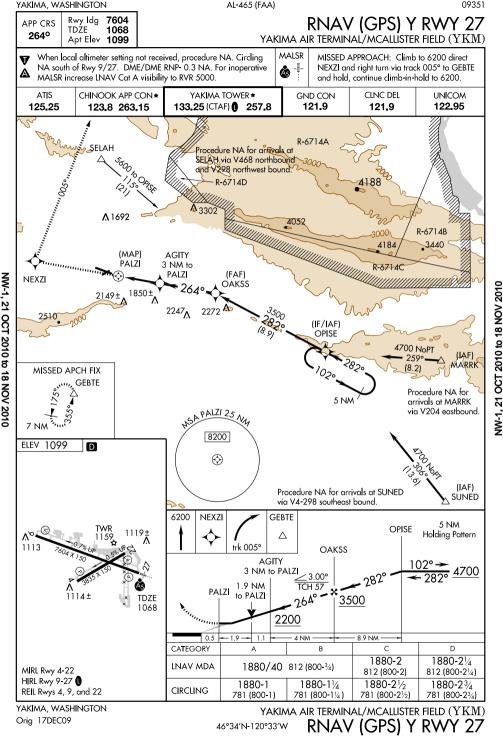


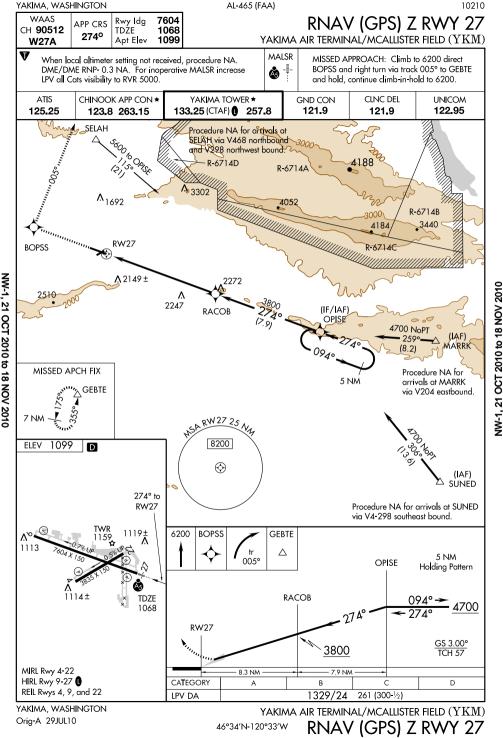
Ζ Υ-1,

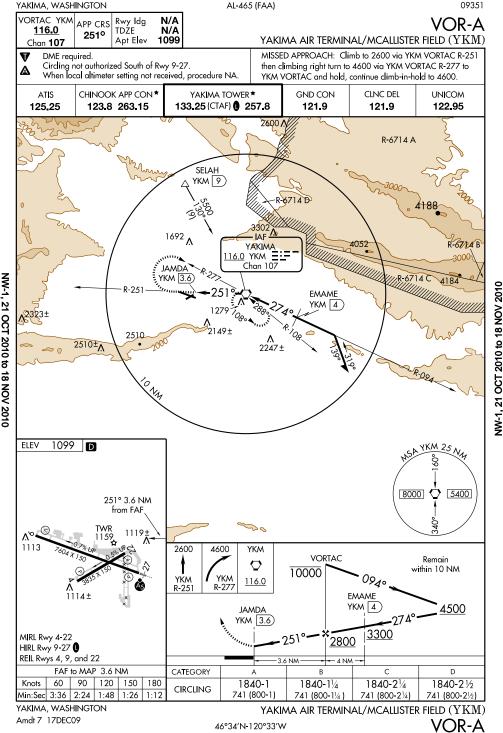
, 21 OCT 2010 to 18 NOV 2010

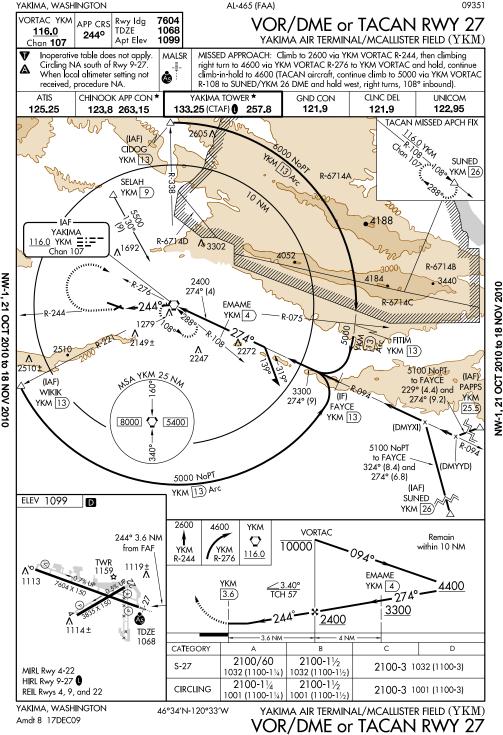


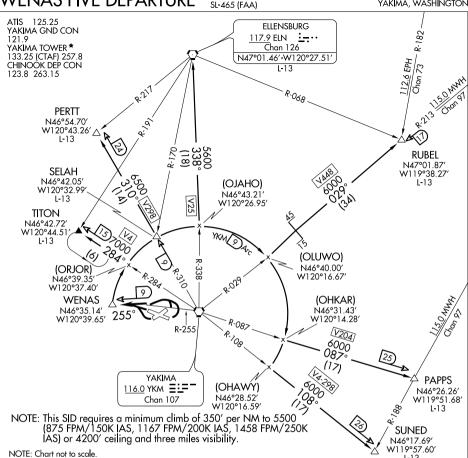
NACHES ONE DEPARTURE (NACHS1.NACHS) 07298 YAKIMA, WASHINGTON
YAKIMA AIR TERMINAL/MCALLISTER FIELD (YKM)











V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 4, 9: Turn left thence...

<u>TAKE-OFF RUNWAY 22:</u> Turn right thence.... TAKE-OFF RUNWAY 27: Climb runway heading thence....

....Intercept and proceed via YKM R-255 to the WENAS DME Fix (YKM 255/9) thence via (assigned

transition) ELLENSBURG TRANSITION (WENAS5.ELN): From over WENAS DME Fix via 9 DME Arc and V25 to ELN VORTAC.

PAPPS TRANSITION (WENAS5.PAPPS): From over WENAS DME Fix via 9 DME Arc and V204 to PAPPS

PERTT TRANSITION (WENAS5.PERTT): From over WENAS DME Fix via 9 DME Arc and V298 to PERTT INT. RUBEL TRANSITION (WENASS.RUBEL): From over WENAS DME Fix via 9DME Arc and V448 to RUBEL INT.

SELAH TRANSITION (WENAS5.SELAH): From over WENAS DME Fix via 9 DME Arc to SELAH INT. SUNED TRANSITION (WENAS5.SUNED): From over WENAS DME Fix via 9 DME Arc and V4-298 to

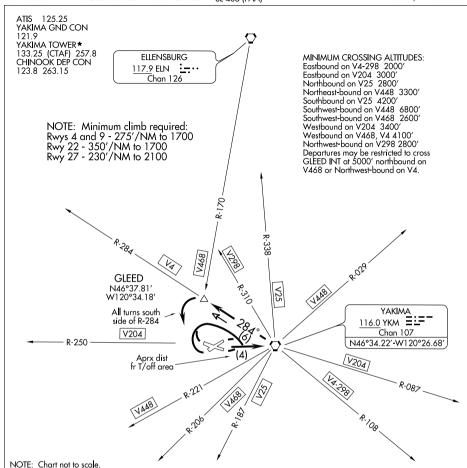
SUNED INT.

TITON TRANSITION (WENAS5.TITON): From over WENAS DME Fix via 9 DME Arc and V4 to TITON INT. NOTE: Climb in holding pattern Southeast of TITON INT, left turns, 284° inbound to 7000 feet before proceeding on course.

WENAS FIVE DEPARTURE (WENAS5.WENAS) 10210

L-13

YAKIMA FIVE DEPARTURE



V

NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 4, 22 or 27: Turn right, thence....

TAKE-OFF RUNWAY 9: Turn left, thence....

....Climb direct YKM VORTAC. Continue climb on YKM R-284 between the VORTAC and GLEED INT., all turns south of the 284 radial, to cross YKM VOR-

TAC at or above (minimum crossing altitudes). Thence via (assigned route).

ATIS 125.25 CLNC DEL

121.9

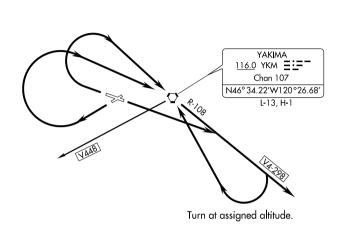
YAKIMA GND CON 121.9

YAKIMA TOWER* 133.25 (CTAF) 257.8 CHINOOK DEP CON

123.8 263.15

NOTE: TAKE-OFF MINIMUMS: Rwy 4 not authorized. Rwy 9: 800-4 or standard with a minimum climb of 300' per NM to 5000'.

Rwys 22 and 27: 2500-3 or standard with minimum climb of 300' per NM to 5200'.



NOTE: Chart not to scale.



NW-1, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 9: Climb runway heading and outbound YKM R-108. Thence.... TAKE-OFF RUNWAYS 22 and 27: Climbing right turn direct YKM VORTAC and outbound

R-108. Thence....

..... Eastbound aircraft V4-298 continue climb on course, other departures continue climb on YKM R-108 until reaching assigned altitude, (Southwestbound V448 continue minimum climb of 300' per NM to 9500'), then climbing right turn direct YKM VORTAC. All aircraft cross YKM VORTAC at or above MEA or MCA for route of flight.

ZILLA ONE DEPARTURE (OBSTACLE)

YAKIMA, WASHINGTON ÝAKIMA AIR TERMINAL/MCALLISTER FIELD (YKM)